

ID	WBS	Task Name	Contact	Resource Initials	Duration
0		<b>D0 Grid Production Computing Initiative</b>	ehnlein		<b>186.8 days</b>
1	1	<b>D0 Grid Production Architecture</b>	AL		<b>73 days</b>
2	1.1	INPUT: Original architecture document v1.2	AL	AL	<b>0 days</b>
3	1.2	High-level Architecture Document: draft - APIs, component responsibilities	AL	ASB,AL	<b>7 days</b>
4	1.3	milestone: Draft High-level Architecture Document	AL	AL	<b>0 days</b>
5	1.4	High-level Architecture Document: Review	AL,G,RDK,ASB		<b>5 days</b>
6	1.5	High-level Architecture Document: Revised version	AL	AL	<b>8 days</b>
7	1.6	High-level Architecture Document: Approval - ASB	AL	RDK	<b>4 days</b>
8	1.7	High-level Architecture Document: Approval - VW	AL	RDK	<b>1 day</b>
9	1.8	MILE 7: D0 Grid Production Architecture document done	AL		<b>0 days</b>
10	2	<b>Adjust Responsibilities among SamGrid, D0runjob, D0repro, automc tools</b>	GG		<b>185 days</b>
11	2.1	INPUT: Review of D0runjob interface	PM	PM	<b>0 days</b>
12	2.2	<b>Decouple D0runjob macro and SamGrid</b>	GG		<b>4 days</b>
13	2.2.1	INPUT: Interface changes documented	GG	PM	<b>0 days</b>
14	2.2.2	Decouple D0runjob macro and SamGrid development work	GG	PL	<b>1 day</b>
15	2.2.3	Decoupling: MC Job Type: SamGrid Integration	GG	PM	<b>3 days</b>
16	2.3	<b>Ability to store output at any stage on demand</b>	GG		<b>128 days</b>
17	2.3.1	Store output from any stage: SamGrid development/integration	GG	PM	<b>1 day</b>
18	2.3.4	Store output from any stage: Production-level test	GG	JS	<b>1 day</b>
19	2.3.5	MILE 22: Store output from any stage of processing	GG		<b>0 days</b>
20	2.4	<b>Start Prod via SAM Definition from Stage 2 of Prod: v1</b>	GG		<b>30 days</b>
21	2.4.1	INPUT: Start Prod at Stage 2: D0runjob development	GG	PL	<b>0 days</b>
22	2.4.2	Start Prod at Stage 2: SamGrid development/integration	GG	PM	<b>21 days</b>
23	2.4.3	Start Prod at Stage 2: Production-level test	GG	JS	<b>3 days</b>
24	2.4.4	MILE 2: Start (MC) Production at Stage 2 - Working	GG		<b>0 days</b>
25	2.5	<b>Error Recovery in Phased Processing</b>	GG		<b>35 days</b>
26	2.5.1	Error Recovery: SamGrid development/integration	GG	PM	<b>1 day</b>
27	2.5.2	Error Recovery: Production-level test	GG	JS	<b>5 days</b>
28	2.5.3	milestone: Error Recovery in Phased Processing	GG		<b>0 days</b>
29	2.6	<b>D0repro tools adapted to use Sam v7 request system</b>	GG		<b>128 days</b>
30	2.6.1	D0repro tools adaptation: First 50% implementation	DW	DW	<b>40 days</b>
31	2.6.2	D0repro tools adaptation: Next 40% implementation	DW	DW	<b>32 days</b>
32	2.6.3	D0repro tools adaptation: Request impact on SamGrid and/or D0runjob	GG	RDK,GG	<b>4 days</b>
33	2.6.8	D0repro tools adaptation: Fix python interface to SAM request system	AL	SS	<b>12 days</b>
34	2.6.9	DEFER: D0repro tools adaptation: Final 10% implementation	DW	DW	<b>0 days</b>
35	2.6.4	D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App	GG	PM	<b>14 days</b>
36	2.6.10	D0repro tools adaptation: Define test dataset	GG	MD	<b>1 day</b>
37	2.6.5	DEFER: D0repro tools adaptation: Adjust D0runjob to use request system	GG	PL,PM	<b>0 days</b>
38	2.6.7	DEFER - MILE 14: D0repro-tools uses Sam v7 request system	GG		<b>0 days</b>
39	2.7	<b>Resolve how to add production paths in future</b>	GG		<b>44 days</b>
40	2.7.12	Generalization of Job Types according to I/O Characteristics: client side	GG	PM	<b>16 days</b>
41	2.7.1	Generalization of Job Types according to I/O Characteristics: execution side	GG	PM	<b>7 days</b>

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42		2.7.13	D0repro tools/Generalization changes: Develop test	GG	PM	4 days
43		2.7.11	D0repro tools/Generalization changes: Production test	GG	MD	3 days
44		2.7.6	D0repro tools/Generalization changes: MC Production test	GG	JS	3 days
45		2.7.2	Resolve how to add production paths in future: Document	GG	PM	4 days
46		2.7.3	Resolve how to add production paths in future: D0 Approval	GG	ASB	1 day
47		2.7.4	MILE 20: How to add production paths in future - resolved	GG		0 days
48	✓	2.8	<b>Support testing v7/d0runjob/SamGrid functionality</b>	GG		82 days
49	✓	2.8.1	Survey current understanding of testing procedures	GG	RDK	6 days
50	✓	2.8.2	D0GPCI FNAL testing meeting	GG		1 day
51	✓	2.8.3	Testing responsibilities, procedures proposal	GG	GG	12 days
52	✓	2.8.4	Agreement on Component and Integration testing	GG	GG,PL	8 days
53	✓	2.8.5	Evaluate how D0runjob should set up WN environment	GG	AB2	4 days
54	✓	2.8.6	D0runjob sets up its own environment	GG	PL	6 days
55	✓	2.8.7	Evaluate and sign-off on test facilities and procedures	GG	,PL,DW,JS	5 days
56	✓	2.8.8	MILE 18: Support testing v7/d0runjob/SamGrid functionality	GG		0 days
57	✉	2.9	<b>Start Prod via SAM Definition from Stage 2 of Prod: v2</b>	GG		5 days
58		2.9.1	Start Prod at Stage 2: SamGrid notification-all bug fix	GG	PM	3 days
59		2.9.2	Start Prod at Stage 2: Production-level re-test	GG	JS	2 days
60		2.9.3	<b>milestone: Start Prod at Stage 2 Ready for Production Release</b>	GG		0 days
61	✓✉	2.10	<b>Evaluate Extensions to Development</b>	GG		6 days
62	✓✉	2.10.1	D0runjob/SamGrid Decoupling: Skim Job Type	GG		0 days
63	✓✉	2.10.3	D0runjob/SamGrid Decoupling: Merge Job Type	GG		0 days
64	✓✉	2.10.4	Start Prod via SAM Definition from Stage 3+ of Prod	GG		0 days
65	✓	2.10.5	Fabric interface no longer dependent on Job Type	GG		0 days
66	✓✉	2.10.6	All merge code into D0runjob	PL		0 days
67	✓	2.10.7	Write evaluation of extensions to development	GG	GG	6 days
68		2.11	MILE 26: Tools have defined API, testing responsibilities	GG		0 days
69	✉	3	<b>Transition Operations Support from SamGrid Dev to Run2 Ops</b>	GG,AL		186.8 days
70		3.1	<b>Operations Documentation</b>	AL		166 days
71	✓	3.1.1	<b>Data Queues Doc</b>	AL		67 days
72	✓	3.1.1.1	INPUT: Data Queues Doc: Recent Draft	AL	AB2	0 days
73	✓	3.1.1.2	Data Queues Doc: Feed-back, update	AL	AB3,AB2	5 days
74	✓	3.1.1.3	Data Queues Doc: Approve	AL	AL	5 days
75	✓	3.1.1.4	Data Queues Doc: Integrate into SamGrid Documentation	AL	DZ,AL	1 day
76	✓	3.1.1.5	<b>milestone: Data Queues Doc: Completed</b>	AL		0 days
77	✓	3.1.2	<b>Forwarding Node Installation Doc</b>	AL		68 days
78	✓	3.1.2.1	INPUT: Fwd Node Install Doc: Recent Draft	AL	DZ	0 days
79	✓✉	3.1.2.2	Fwd Node Install Doc: Hardware prep attempt	AL	SS	25 days
80	✓✉	3.1.2.3	Fwd Node Install Doc: Feed-back	AL	SS	5 days
81	✓	3.1.2.4	Fwd Node Install Doc: Integrate Dehong and Steve's documents	AL	DZ,SS	5 days
82	✓	3.1.2.5	Fwd Node Install Doc: Approve	AL	AL	1 day
83	✓	3.1.2.6	Fwd Node Install Doc: Integrate into SamGrid Installation Manual	AL	DZ	2 days

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84	✓	3.1.2.7	milestone: Fwd Node Install Doc: Completed	AL		0 days
85	✓	3.1.3	<b>Integrating SRM Storage with SAM Doc</b>	GG		7 days
86	✓	3.1.3.1	SRM with SAM Doc: Integrate into SamGrid Documentation	GG	AB2	7 days
87	✓	3.1.3.2	milestone: SRM with SAM Doc: Completed	GG		0 days
88	✉	3.1.4	<b>Operations Policies Doc</b>	AL		121 days
89	✓	3.1.4.1	Operations Policies doc: Draft	AL	AL	1 day
90	✓	3.1.4.2	Operations Policies doc: Review	AL	GG,RDK	5 days
91	✓	3.1.4.3	Operations Policies doc: Revised draft	AL	AL	12 days
92	✓	3.1.4.4	Operations Policies doc: Review, agreement	AL		7 days
93	✓	3.1.4.5	Operations Policies doc: Review version v1.0	AL	AL	8 days
94	✓	3.1.4.8	Operations Policies doc: Stakeholder Review	AL	RDK	9 days
95		3.1.4.9	Operations Policies doc: Release version v1.1	AL	AL	16 days
96		3.1.4.6	Operations Policies doc: Approve - CD, D0	AL	ASB,RDK	4 days
97		3.1.4.7	<b>MILE 13: Grid Production Operations Policies doc done</b>	AL		0 days
98		3.1.5	milestone: Operations Documentation completed	AL		0 days
99	✓	3.2	<b>Operations Reduction and Transfer Planning</b>	GG,AL		68 days
100	✓	3.2.1	<b>Current Operations Description</b>	GG		33 days
101	✓	3.2.1.1	INPUT: Write-up of operations issues	GG	GG	0 days
102	✓	3.2.1.2	Current Operations description: draft - level and causes	GG	GG	4 days
103	✓	3.2.1.3	Current Operations description: Review	GG	PM,RDK,AL	5 days
104	✓	3.2.1.4	Current Operations description: Revised version	GG	GG	2 days
105	✓	3.2.1.5	Current Operations description: Approve	GG	ASB	1 day
106	✓	3.2.1.6	milestone: Current Operations description	GG		0 days
107	✓	3.2.2	<b>Future Operations Staffing Doc</b>	AL		13 days
108	✓	3.2.2.1	INPUT: FY08 REX budget determined	RS	RS,AL	0 days
109	✓	3.2.2.2	Future Operations description: draft - acceptable load level and activities	AL	RS,AL	6 days
110	✓	3.2.2.3	Future Operations description: Review	AL	3,RDK,ASB	5 days
111	✓	3.2.2.4	Future Operations description: Approve	AL	ASB	2 days
112	✓	3.2.2.5	milestone: Future Operations description	AL		0 days
113	✓	3.2.3	<b>Operations Reduction Plan: "Road To Operations"</b>	GG		60 days
114	✓	3.2.3.1	INPUT: Operations Reduction plan: Monitoring, Alarms proposal	GG	AB2	0 days
115	✓	3.2.3.2	Operations Reduction plan: Overall draft	GG	GG	16 days
116	✓	3.2.3.3	Operations Reduction plan: Review	GG	SB,RDK,AL	5 days
117	✓	3.2.3.4	Operations Reduction plan: Revised version	GG	GG,AB2	10 days
118	✓	3.2.3.5	<b>MILE 4: Operations Reduction plan: Working plan ready</b>	GG		0 days
119	✉	3.2.3.6	Operations Reduction plan: Coordinate w/FEF	GG	GG	10 days
120	✓	3.2.3.7	Operations Reduction plan: Approve - CD, D0	GG	ASB,RDK	2 days
121	✉	3.2.3.8	milestone: Operations Reduction plan completed	GG		0 days
122	✓	3.2.4	milestone: Operations Reduction and Transfer Planning completed	GG		0 days
123	✓	3.3	<b>Operations Transfer Execution</b>	GG,AL		95 days
124	✉	3.3.1	<b>Operations Transfer: Phase 1 (Checklist)</b>	GG,AL		18 days
125	✓	3.3.1.1	<b>SamGrid Requests to Sam Issue Tracker</b>	GG,AL		2 days

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126	✓	3.3.1.1.1		GG,AL	GG
127	✓	3.3.1.1.2		GG,AL	1 day
128	✓	3.3.1.1.3		GG,AL	0 days
129	✓	<b>3.3.1.2</b>	<b>GG</b>		<b>8 days</b>
130	✓	3.3.1.2.1		GG	PM
131	✓	3.3.1.2.2		GG	GG,AL
132	✓	3.3.1.2.3		GG	PM
133	✓	3.3.1.2.4		GG	PM,AL
134	✓	3.3.1.2.5		GG	PM
135	✓	3.3.1.2.6		GG	0 days
136	✓	<b>3.3.1.3</b>	<b>AL</b>	<b>AL,GG</b>	<b>9 days</b>
137	✓	3.3.1.3.1		AL	AL
138	✓	3.3.1.3.2		AL	GG,AB2
139	✓	3.3.1.3.3		AL	0 days
140	✓	<b>3.3.1.4</b>	<b>GG,AL</b>		<b>0 days</b>
141	✓	<b>3.3.2</b>	<b>GG,AL</b>		<b>15 days</b>
142	✓	3.3.2.1		GG,AL	DEV,REX
143	✓	3.3.2.2		GG,AL	DEV,REX
144	✓	3.3.2.3		GG,AL	0 days
145	✓	<b>3.3.3</b>	<b>GG,AL</b>		<b>15 days</b>
146	✓	3.3.3.1		GG,AL	DEV,REX
147	✓	3.3.3.2		GG,AL	DEV,REX
148	✓	3.3.3.3		GG,AL	0 days
149	✓	<b>3.3.4</b>	<b>GG,AL</b>		<b>15 days</b>
150	✓	3.3.4.1		GG,AL	DEV,REX
151	✓	3.3.4.2		GG,AL	DEV,REX
152	✓	3.3.4.3		GG,AL	0 days
153	✓	3.3.5		GG,AL	0 days
154	✓	<b>3.4</b>	<b>GG</b>		<b>63 days</b>
155	✓	3.4.1		GG	PM
156	✓	3.4.2		GG	PM
157	✓	3.4.3		GG	PM
158	✓	3.4.5		GG	0 days
159	✓	<b>3.5</b>	<b>GG</b>		<b>141.8 days</b>
160	✓	<b>3.5.1</b>	<b>GG</b>		<b>136 days</b>
161	✓	3.5.1.1		GG	GG,AL
162		<b>3.5.1.2</b>	<b>GG,AL</b>		<b>128 days</b>
163	✓	3.5.1.2.1		GG	PM
164		<b>3.5.1.2.2</b>	<b>GG</b>		<b>126 days</b>
165	✓	3.5.1.2.2.1		GG	FEF
166	✓	3.5.1.2.2.2		GG	20 days
167	✓	3.5.1.2.2.2.1		GG	FEF

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168	✓	3.5.1.2.2.2.2	Developers install and test candidate fwd node (by Fri Oct 26)		GG	PM	3 days
169	✓	3.5.1.2.2.2.4	Adjust current software to use standard location as default		GG	PM	1 day
170	✓ 	3.5.1.2.2.2.3	Adjust current installation instructions		GG	PM	1 day
171	✓	3.5.1.2.2.2.5	REX ops re-installs on candidate machine		AL	SS	1 day
172	✓	3.5.1.2.2.2.7	Admins and REX ops configure production fwd node		AL	FEF,SS	1 day
173	✓ 	3.5.1.2.2.2.6	Switch candidate machine and d0srv047 (fwd + station) (Nov 6)		AL	SS	1 day
174	✓	3.5.1.2.2.2.9	Diagnose, resolve, document 32-bit/64-bit compatibility issues		GG,AL	PM,SS	4 days
175	✓	3.5.1.2.2.2.8	MILE 11: Forwarding Node w/Sam Station Reinstalled with std config		GG		0 days
176	✓	3.5.1.2.2.3	INPUT: Test of fail-over in production environment		GG	PM	0 days
177	✓	3.5.1.2.2.4	<b>Reinstall Forwarding Node 2</b>		AL		28 days
178	✓ 	3.5.1.2.2.4.1	REX ops drains and take production fwd node offline (d0srv15): NO-OP		AL	SS	1 day
179	✓	3.5.1.2.2.4.2	REX ops installs software on new production fwd node (samgfwd02)		AL	SS	2 days
180	✓	3.5.1.2.2.4.6	REX ops tests new production fwd node (samgfwd02)		AL	SS	5 days
181	✓	3.5.1.2.2.4.7	Rex ops and SamGrid Dev resolve perl/VDT issues revealed in fwd node test		AL	SS,PM	8 days
182	✓	3.5.1.2.2.4.8	REX ops retests new production fwd node (samgfwd02)		AL	SS	6 days
183	✓	3.5.1.2.2.4.3	Put new fwd node in production, drain old node (samgfwd02, old: d0srv15)		AL	SS	1 day
184	✓	3.5.1.2.2.4.5	<b>milestone: verified fwd node configuration and procedure</b>		AL		0 days
185		3.5.1.2.2.5	<b>Reinstall Forwarding Node 3</b>		AL		25 days
186	✓	3.5.1.2.2.5.2	REX ops installs software on new production fwd node (samgfwd03)		AL	SS	1 day
187	✓	3.5.1.2.2.5.5	REX ops tests new production fwd node (samgfwd03)		AL	SS	2 days
188	✓	3.5.1.2.2.5.7	REX ops follows up on samgfwd03 stability concerns with FEF		AL	SS	18 days
189		3.5.1.2.2.5.8	REX ops re-installs software on Fwd Node 3		AL	SS	1 day
190		3.5.1.2.2.5.9	REX ops re-tests Fwd Node 3		AL	SS	1 day
191		3.5.1.2.2.5.10	Deploy Condor patch to Fwd Nodes 1-3		AL	SS	1 day
192		3.5.1.2.2.5.3	Put new fwd node in production, drain old node (samgfwd03, old: d0srv66)		AL	SS	1 day
193		3.5.1.2.2.7	<b>MILE 15: OSG Fwd nodes reinstalled with std config</b>		GG		0 days
194	✓	3.5.1.2.2.8	Organize activities to prepare for LCG fwd node migration		GG	GG	13 days
195		3.5.1.2.2.11	<b>Reinstall LCG/Germany/Wuppertal Forwarding Node</b>		AL		22 days
196	✓	3.5.1.2.2.11.15	Site ops repairs failed disk, brings node back online		AL	LCG	6 days
197	✓	3.5.1.2.2.11.20	Start Re-install: Available disk space adequate for Fwd Node std config?		AL	AB2,SS	4 days
198		3.5.1.2.2.11.21	Evaluate options for proceeding: std config, less space, old restore, etc.		AL	AL,ASB	6 days
199		3.5.1.2.2.11.16	REX ops installs software on LCG/Germany fwd node		AL	SS	3 days
200		3.5.1.2.2.11.17	REX ops puts LCG/Germany fwd node back into system		AL	SS	1 day
201		3.5.1.2.2.11.18	Site and REX ops configure production LCG/Germany fwd node		AL	SS,LCG	2 days
202		3.5.1.2.2.11.19	<b>milestone: LCG/Germany Forwarding Node reinstalled with std config</b>		AL		0 days
203		3.5.1.2.2.10	<b>Reinstall LCG/UK/Imperial College Forwarding Node</b>		AL		8 days
204		3.5.1.2.2.10.11	Review plan, get perms, check resources on Fwd Node		AL	SS,LCG	3 days
205		3.5.1.2.2.10.5	<b>MOOT: Site ops drains and take production fwd node offline</b>		AL	LCG	0 days
206		3.5.1.2.2.10.6	REX ops installs software on LCG/UK fwd node		AL	SS	2 days
207		3.5.1.2.2.10.7	REX ops puts LCG/UK fwd node back into system		AL	SS	1 day
208		3.5.1.2.2.10.8	Site and REX ops configure production LCG/UK fwd node		AL	SS,LCG	2 days
209		3.5.1.2.2.10.9	<b>milestone: LCG/UK Forwarding Node reinstalled with std config</b>		AL		0 days

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210		3.5.1.2.3	milestone: Forwarding nodes reinstalled with standard configuration	GG		0 days
211	✓	3.5.1.3	<b>Reinstall Queuing Node with standard configuration</b>	GG,AL		70 days
212	✓ 	3.5.1.3.1	Define standard queuing node machine configuration	GG	PM	5 days
213	✓ 	3.5.1.3.2	<b>Reinstall Queuing Node: Oct 19 - Nov 6</b>	GG		21 days
214	✓ 	3.5.1.3.2.1	Admins procure HW parts for samgrid-like node (job queuing, broker, web server)	GG	FEF	12 days
215	✓ 	3.5.1.3.2.2	Admins configure test instance of samgrid-like node	GG	FGS	2 days
216	✓ 	3.5.1.3.2.3	Developers install and test samgrid-like node (by Wed Nov 7)	GG	PM	2 days
217	✓ 	3.5.1.3.2.4	Adjust current installation instructions	GG	PM	1 day
218	✓ 	3.5.1.3.2.5	Adjust current software to use standard location as default	GG	PM	1 day
219	✓ 	3.5.1.3.2.6	Admins configure production samgrid-like node	AL	FGS	1 day
220	✓ 	3.5.1.3.2.7	REX ops installs queuing software on production samgrid-like node	AL	SS	1 day
221	✓ 	3.5.1.3.2.9	Dev ops installs web server software on production samgrid-like node	AL	PM	1 day
222	✓ 	<b>3.5.1.3.2.8</b>	<b>REX ops integrates new samgrid-like node into production system</b>	AL		1 day
223	✓ 	3.5.1.3.2.8.1	Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime)	AL	SS	1 day
224	✓ 	3.5.1.3.3	<b>MILE 12: Queuing node reinstalled with std config</b>	GG		0 days
225	✓ 	3.5.1.3.4	Diagnose job history incompatibility issues and create migration plan	GG	PM,GG	3 days
226	✓ 	3.5.1.3.11	Prepare for migration from mixed old/new samgrid nodes to new node use only	GG	PM,GG	5 days
227	✓ 	3.5.1.3.5	Migrate MC Prod from mixed old/new samgrid nodes to new node use only	GG	JS	23 days
228	✓ 	3.5.1.3.6	Migrate Prod from mixed old/new samgrid nodes to new node use only	GG	MD	7 days
229	✓ 	3.5.1.3.12	Turn off old samgrid.fnal.gov (samgsrv1) - warn,do,check	GG	GG	6 days
230	✓ 	3.5.1.3.8	<b>milestone: Migration to exclusive use of new samgrid node completed</b>	GG		0 days
231	✓ 	<b>3.5.1.4</b>	<b>Reinstall Durable Locations with standard configuration</b>	GG,AL		13 days
232	✓ 	3.5.1.4.1	Define standard durable location machine configuration	GG	PM	9 days
233	✓ 	3.5.1.4.2	<b>Reinstall Durable Locations: Nov 9 - Nov 28</b>	GG		4 days
234	✓ 	3.5.1.4.2.1	MOOT: Admins procure HW parts(?) for test instance of durable location node	GG	FEF	0 days
235	✓ 	3.5.1.4.2.2	MOOT: Admins configure test instance of durable location node (by Fri Nov 9)	GG	FEF	0 days
236	✓ 	3.5.1.4.2.3	MOOT: Developers install and test durable location node (by Fri Nov 23)	GG	PM	0 days
237	✓ 	3.5.1.4.2.4	Durable Locations: Adjust current installation instructions	GG	PM	1 day
238	✓ 	3.5.1.4.2.5	MOOT: Adjust current software to use standard location as default	GG	PM	0 days
239	✓ 	3.5.1.4.2.6	MOOT: REX ops re-installs on test machine	AL	SS	0 days
240	✓ 	<b>3.5.1.4.2.7</b>	<b>REX ops reconfigures existing durable locations</b>	AL		0 days
241	✓ 	3.5.1.4.2.7.1	MOOT: Stop tmbs upload to d0srv063; REX ops reinstalls durable location	AL	SS	0 days
242	✓ 	3.5.1.4.2.7.2	MOOT: Stop tmbs upload to d0srv065; REX ops reinstalls durable location	AL	SS	0 days
243	✓ 	3.5.1.4.3	<b>MILE 17: Durable Locations reinstalled with std config</b>	GG		0 days
244		3.5.1.5	<b>milestone: Standard configuration defined and key machines reinstalled</b>	GG		0 days
245		<b>3.5.8</b>	<b>Create SamGrid Test Stand</b>	AL		30 days
246	✓ 	3.5.8.7	REX ops and Run2Sys agree on/setup hardware config of test stand nodes	AL	SS	6 days
247	✓ 	3.5.8.1	REX ops installs software on test OSG fwd node (d0srv15)	AL	SS	2 days
248	✓ 	3.5.8.2	Admins fix disk on test queue node (old samgrid)	AL	FEF	5 days
249		3.5.8.8	REX ops installs software on test LCG fwd node (d0srv47)	AL	SS	3 days
250	✓ 	3.5.8.5	REX ops installs software on test queue node (old samgrid)	AL	SS	2 days
251		3.5.8.6	REX ops installs durable locations test machine	AL	SS	2 days

ID	WBS	Task Name	Contact	Resource Initials	Duration
252	3.5.8.3	Trial use of SamGrid test stand	AL	SS	2 days
253	3.5.8.4	milestone: SamGrid test stand completed	AL		0 days
254	3.5.2	<b>Automate routine maintenance operations</b>	GG		59.8 days
255	3.5.2.1	<b>Automatic clean up of job queues</b>	GG		38 days
256	3.5.2.1.5	Dev tools to auto-clean up OSG job queue in samgrid_util (Forwarding Nodes)	GG	PM	2 days
257	3.5.2.1.2	Deploy/observe tools for auto-clean up of OSG job queue (Fwd Nodes 1,2 re-installed)	GG	PM,SS	4 days
258	3.5.2.1.9	Dev tools to auto-clean up SamGrid job queue in samgrid_util CVS (Queuing Node)	GG	PM	8 days
259	3.5.2.1.3	Samgrid_util product cut with queue node clean-up, etc.	GG	PM	1 day
260	3.5.2.1.4	Deploy/observe tools for auto-clean up of SamGrid job queue	GG	PM,SS	3 days
261	3.5.2.1.8	Deploy/observe tools for auto-clean up of OSG job queue (Fwd Node 3 re-installed)	GG	SS	3 days
262	3.5.2.2	<b>Automatic clean-up of disk areas</b>	GG		56.8 days
263	3.5.2.2.1	Resolve: Globus gatekeeper does not properly cleanup gass caches	GG	PM	1 day
264	3.5.2.2.2	Periodically clean up gram log files at fwd nodes and exec sites	GG	PM	1 day
265	3.5.2.2.3	Clean up sandboxes and jim_tmp areas at fwd node	GG	PM	1 day
266	3.5.2.2.4	Clean up non-rotated log files (eg. Tomcat): CVS archive part	GG	PM	8 days
267	3.5.2.2.5	Clean up non-rotated log files (eg. Tomcat): Logrotate part	GG	PM	4 days
268	3.5.2.3	Automation of all gridmap file management (including condor_schedd)	GG	PM	1 day
269	3.5.2.4	Simplify maintenance of automatic clean-up scripts for durable locations	GG	AB2	5 days
270	3.5.2.5	Add the deployment of scripts to installation instructions	GG	PM	1 day
271	3.5.2.7	<b>MILE 23: Routine maintenance operations automated</b>	GG		0 days
272	3.5.4	<b>Automatic handling of job log files</b>	GG		94 days
273	3.5.4.1	Reduce size of output sandbox	GG	AB2	1 day
274	3.5.4.2	Make output sandbox space management more robust	GG	AB2	1 day
275	3.5.4.3	Transfer output sandbox selection logic to Runjob: Initial Pass	GG	PL	20 days
276	3.5.4.8	Transfer output sandbox selection logic to Runjob: Test, add old/new support	GG	AB2	8 days
277	3.5.4.10	Transfer output sandbox selection logic to Runjob: Final testing	GG	AB2	10 days
278	3.5.4.11	<b>milestone: Automated handling of job log files</b>	GG		0 days
279	3.5.4.9	<b>LogFile Access Tools</b>			23 days
280	3.5.4.9.1	Specify tools for accessing old logfiles	GG	MD	5 days
281	3.5.4.9.2	Provide tools (to MD) for accessing old logfiles	GG	AB2	6 days
282	3.5.4.9.3	Test logfile access tools	GG	MD	5 days
283	3.5.4.9.4	Revise tools given customer feedback	GG	AB2	2 days
284	3.5.5	<b>Automate system health alarms</b>	GG		120 days
285	3.5.5.1	<b>NGOP central service</b>	GG		66 days
286	3.5.5.1.1	Define hardware	GG	AB2	1 day
287	3.5.5.1.2	Install basic NGOP server	GG	AB2	1 day
288	3.5.5.1.4	Deploy and test best schema as depicted	GG	AB2	1 day
289	3.5.5.1.5	Understand SAM-Grid representation requirements: Dev part	AL	AB2	5 days
290	3.5.5.1.6	Understand SAM-Grid representation requirements: Ops part	AL	RH	5 days
291	3.5.5.1.9	Static NGOP configuration approach (instead of automated)	AL	AB2,REX	8 days
292	3.5.5.1.8	<b>milestone: NGOP central service prepared</b>	GG		0 days
293	3.5.5.2	<b>Samgrid_mon</b>	GG		19 days

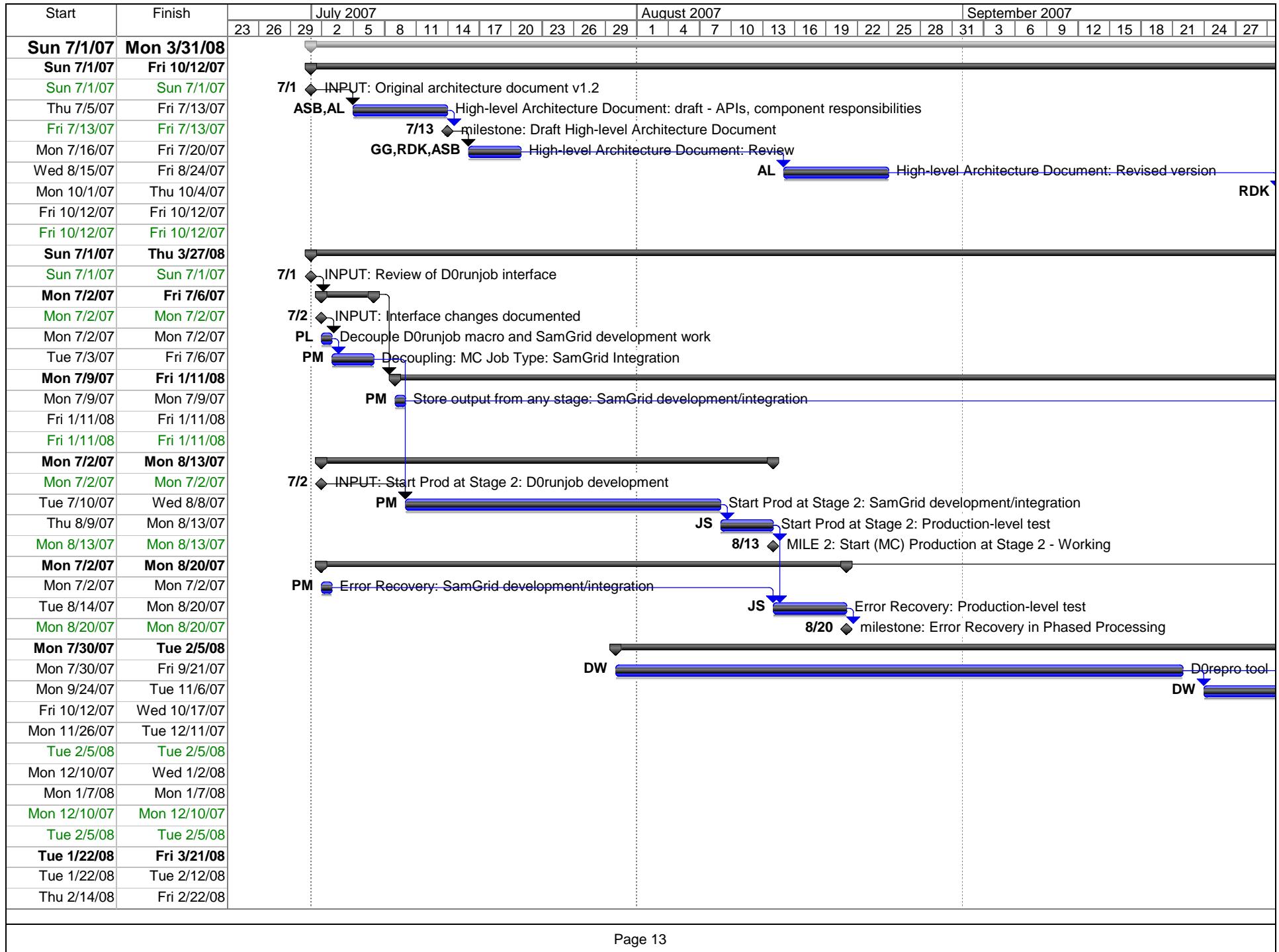
ID		WBS	Task Name	Contact	Resource Initials	Duration
294	✓	3.5.5.2.1	Develop persistent environment for repetitive task execution	GG	AB2	10 days
295	✓	3.5.5.2.2	Develop converter between SamGrid config and next-gen cron	GG	AB2	5 days
296	✓	3.5.5.2.4	Store duplicate configuration of fwd node	GG	AB2	1 day
297	✓	3.5.5.2.5	Accept existing configuration of fwd node	GG	AB2	1 day
298	✓	3.5.5.2.6	Dispatch list of monitoring agents periodically, collect statuses	GG	AB2	1 day
299	✓	3.5.5.2.7	Create distributable UPD package	GG	AB2	1 day
300	✓	3.5.5.2.8	milestone: Samgrid_mon developed	GG		0 days
301	✓	3.5.5.3	<b>Develop monitoring scripts</b>	GG		13 days
302	✓	3.5.5.3.1	Develop generic scripts for Gridftp and Fcp monitoring	GG	AB2	1 day
303	✓	3.5.5.3.3	Data Nodes: Stager, Durable location, caches, Gridftp, Fcp	GG	AB2	6 days
304	✓ 	3.5.5.3.2	Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, opt. sched. component	GG	AB2	6 days
305	✓	3.5.5.3.4	milestone: Monitoring scripts developed	GG		0 days
306	✓	3.5.5.5	Assess automation of alarming systems	GG	AB2	2 days
307	✓	3.5.5.6	Integration deployment and testing	GG	AB2	4 days
308	✓	3.5.5.7	Documentation Initiation	GG	AB2	5 days
309	✓	3.5.5.4	MILE 19: System health alarms deployed via NGOP with static config	GG		0 days
310	✓	3.5.5.12	Generate NGOP agents from set of monitoring scripts and config	GG	AB2	2 days
311	✓	3.5.5.14	Documentation Completion	GG	AB2	18 days
312	✓	3.5.5.15	Create NGOP config baseline, support process, training	AL	AL,AB2	10 days
313	✓	3.5.5.16	Migrate service from d0srv15 to samgfwd01	AL	AB2	2 days
314		3.5.5.17	Configure another forwarding node as a back-up health alarm server	AL	SS	2 days
315		3.5.5.8	milestone: System health alarms via NGOP with sustainable process	GG		0 days
316	✓ 	3.5.6	<b>Improve system testing infrastructure</b>	GG		3 days
317	✓	3.5.6.1	<b>Simplify running test jobs</b>	GG		3 days
318	✓	3.5.6.1.1	Create test parameters for all job types	GG	AB2	1 day
319	✓	3.5.6.1.2	Create and distribute JDL templates with test parameters	GG	AB2	1 day
320	✓	3.5.6.1.3	Write testing instructions	GG	AB2	1 day
321	✓	3.5.6.1.4	milestone: Running test jobs simplified per request	GG		0 days
322		3.5.7	milestone: End of the Road to Operations	GG		0 days
323	✓	3.7	<b>Other Operations-related Fixes and Upgrades</b>	GG		108 days
324	✓	3.7.1	Clarify D0 certificate approval process, personnel	GG	GG	5 days
325	✓ 	3.7.5	Investigate "Immortal Jobs" Operations Issue	GG		0 days
326		3.8	MILE 27: Close-out of Ops Reduction/Transfer completed	GG		0 days
327		4	<b>D0 Primary Production on Fermigrid</b>	MD		166 days
328	✓	4.1	<b>Initial Commissioning</b>	MD		9 days
329	✓	4.1.1	INPUT: Attempt to run D0 Primary Production on FermiGrid	MD	MD	0 days
330	✓	4.1.2	OSG/Fermigrid Resource Selection Meeting	MD	MD	0.5 days
331	✓ 	4.1.3	Config D0Production role: Fermigrid, GUMS, CAB, PBS, etc.	ST,FEF	MD	6 days
332	✓	4.1.4	Run D0 Primary Prod via D0Production role	MD	MD	1 day
333	✓	4.1.5	MILE 1: D0 Primary Production Runnable on Fermigrid	MD		0 days
334	✓	4.2	D0PPF Commissioning Evaluation Meeting	RDK		1 day
335		4.3	<b>Stable Operations</b>	MD		127 days

ID		WBS	Task Name	Contact	Resource Initials	Duration
336	✓	4.3.1	<b>Commissioning Follow-up</b>	MD		<b>9 days</b>
337	✓ 	4.3.1.1	Fix d0srv065 storage issues	MD	MD	3 days
338	✓	4.3.1.2	Run D0 Primary Prod to verify storage fix	MD	MD	3 days
339	✓	4.3.1.3	Scale-up D0 Primary Prod to 200 nodes	MD	MD	3 days
340	✓	4.3.1.4	milestone: D0PPF Stable Ops: Commissioning follow-up completed	MD	MD	<b>0 days</b>
341	✓	4.3.2	<b>Management Processes and Documentation</b>	MD		<b>101 days</b>
342	✓	4.3.2.1	Implement Change Management for feature requests using SAM IssueTracker	MD		1 day
343	✓	4.3.2.2	Establish service level for stable operations and implications on system config	MD,GG,PM,JS		5 days
344	✓	4.3.2.3	Grid Production System workflow/dataflow diagram - draft	RDK	RDK	3 days
345	✓	4.3.2.4	Grid Production System info on diagram: node roles, software, maintainers	RDK	RDK,AB2	2.5 days
346	✓	4.3.2.8	Grid Production System workflow/dataflow diagram - final	RDK	RDK	5 days
347	✓ 	4.3.2.5	Open Science Enclave baseline security plan - implications on SamGrid, CAB	MD,GG,FEF		20 days
348	✓	4.3.2.7	milestone: D0PPF Stable Ops: Management Processes and Documentation done	MD		<b>0 days</b>
349		4.3.3	<b>System Monitoring</b>	MD		<b>39 days</b>
350	✓ 	4.3.3.1	CAB web monitoring infrastructure upgrade	RDK	FEF	18 days
351		4.3.3.6	CAB web monitoring changes requested by MD,JS - data collection	RDK	FEF	14 days
352		4.3.3.5	CAB web monitoring changes requested by MD,JS - data presentation	RDK	FEF	7 days
353		4.3.3.4	milestone: D0PPF Stable Ops: System Monitoring done	MD		<b>0 days</b>
354		4.3.4	<b>Specific System Services Issues</b>	MD		<b>76 days</b>
355	 	4.3.4.1	Allow access by MD to dir/files on CAB owned by dzeropro (suggested: get root access)	MD	MD	20 days
356		4.3.4.2	JIM production release consistent with d0runjob v7-7-3 and higher	MD	MD	20 days
357	✓ 	4.3.4.3	Evaluate use of ReSS (more flexible than use of roles)	GG	GG	28 days
358	✓ 	4.3.4.5	Determine in detail how to adapt to use ReSS in D0GPCI	GG	GG	13 days
359	✓ 	4.3.4.6	Forward user's job scheduler requirements to sites: client side	GG	PM	4 days
360		4.3.4.7	Forward user's job scheduler requirements to sites: execution side	GG	PM	3 days
361		4.3.4.4	milestone: D0PPF Stable Ops: Specific System Services done	MD		<b>0 days</b>
362		4.3.5	<b>General System Services Issues (Road to Operations)</b>	GG		<b>116 days</b>
363		4.3.5.1	INPUT: (3.5.1) Standardize file system layout on SamGrid nodes	GG		<b>0 days</b>
364		4.3.5.2	INPUT: (3.5.1) Get all nodes governing operation in a consistent, known state	GG		<b>0 days</b>
365	✓	4.3.5.3	INPUT: (3.5.4) Evaluate how to reduce bandwidth consumed by moving logs	GG		<b>0 days</b>
366	✓	4.3.5.4	INPUT: (3.5.4) Make Custom output support smarter, use compression	GG	AB2	<b>0 days</b>
367	✓	4.3.5.5	INPUT: (3.5.4) Migrate Custom output support from SAM wrapper to D0runjob	GG		<b>0 days</b>
368	✓ 	4.3.5.6	INPUT: (3.5.4) Implement a logfile archive node	GG		<b>0 days</b>
369		4.3.5.7	milestone: D0PPF Stable Ops: General System Services done	GG		<b>0 days</b>
370	✓	4.4	D0PPF Operations Evaluation Meeting	RDK		1 day
371		4.7	MILE 28: D0 Primary Production Stable on Fermigrid	MD		<b>0 days</b>
372	✓ 	5	<b>Extend Grid Production System Functionality</b>	GG		<b>83 days</b>
373	✓ 	5.1	<b>Forwarding Node Behind Firewall</b>	GG		<b>5 days</b>
374	✓	5.1.1	Forwarding Node Behind Firewall: Evaluate, determine best course of action	GG	AB2	5 days
375	✓	5.2	<b>Minimal Resource Brokering</b>	GG		<b>20 days</b>
376	✓	5.2.1	Minimal Resource Brokering: Evaluate, determine best course of action	GG	GG	20 days
377	✓	5.3	MILE 16: Grid Production System functionality completed	GG		<b>0 days</b>

ID	WBS	Task Name	Contact	Resource Initials	Duration
378	6	<b>Preparation of D0 Apps for Long-term</b>	ASB		82 days
379	6.1	<b>Skimming</b>	HG		0 days
380	6.1.1	Productize Skimming	RDK		0 days
381	6.2	<b>CAF Trees</b>			0 days
382	6.2.1	Productize CAF Tree generation	RDK		0 days
383	6.3	<b>Raw2Sim</b>			0 days
384	6.3.1	Productize Raw2Sim	RDK		0 days
385	6.4	<b>AADST</b>			82 days
386	6.4.1	Productize AADST	RDK		0 days
387	6.4.3	Enable data migration to SAM storage	AL	AL	2 days
388	6.4.4	Track data migration to SAM storage	AL	AL	67 days
389	6.4.5	Perform data migration to SAM storage	AL	D0	77 days
390	6.6	Write recommendations for productization of D0 Apps	RDK	RDK	4 days
391	6.5	<b>MILE 24: Preparation of D0 Apps for long-term</b>	ASB		0 days
392	7	<b>Evaluation of D0 SamGrid Requests</b>	RDK		85 days
393	7.1	<b>Reco</b>			0 days
394	7.1.1	EVAL: Ability to merge more than 1 stream from Reco	RDK		0 days
395	7.2	<b>MC Production</b>			0 days
396	7.2.1	EVAL: Ability to run TrigSim in MC Production	RDK		0 days
397	7.3	<b>Skimming</b>			0 days
398	7.3.1	EVAL: Skimming in Production	RDK		0 days
399	7.4	<b>EVAL: Fixing</b>			0 days
400	7.5	<b>Raw2Sim</b>			0 days
401	7.5.1	EVAL: Run raw2sim on minbias files	RDK		0 days
402	7.6	<b>Reco-cert</b>			84 days
403	7.6.1	EVAL: Merging of reco-cert files	RDK		0 days
404	7.6.2	<b>Stand-alone production of reco-cert output on SamGrid</b>			9 days
405	7.6.2.1	Develop WBS for implementing S/A Recocert on SamGrid	RDK	RDK	9 days
406	7.7	<b>CAF Trees</b>			0 days
407	7.7.1	EVAL: CAF Trees from Production	RDK		0 days
408	7.8	EVAL: MC CAF Trees	RDK		0 days
409	7.9	EVAL: AADST	RDK		0 days
410	7.10	EVAL: Grid Analysis	RDK		0 days
411	7.12	<b>Evaluate remaining D0 SamGrid Requests</b>	RDK		85 days
412	7.12.2	Develop generic WBS for adapting D0 Apps to Grid Production	RDK	RDK	9 days
413	7.12.3	Create form to capture D0 App requirements, workflow, use patterns - draft	RDK	RDK	2 days
414	7.12.4	Create maintainable list of known portability issues for D0 Apps on Grid - draft	RDK	RDK	2 days
415	7.12.10	Mini-docs on D0 App requirements, known portability issues - final	RDK	RDK	2 days
416	7.12.1	D0 SamGrid Requests Evaluation: Draft version (v0.8)	RDK	RDK	5 days
417	7.12.8	<b>D0 SamGrid Requests Evaluation: Meet w/D0 Spokes and Vicky White</b>	RDK		0 days
418	7.12.9	D0 SamGrid Requests Evaluation: Review version (v0.9)	RDK	RDK	2 days
419	7.12.5	D0 SamGrid Requests Evaluation: Internal Review	RDK		6 days

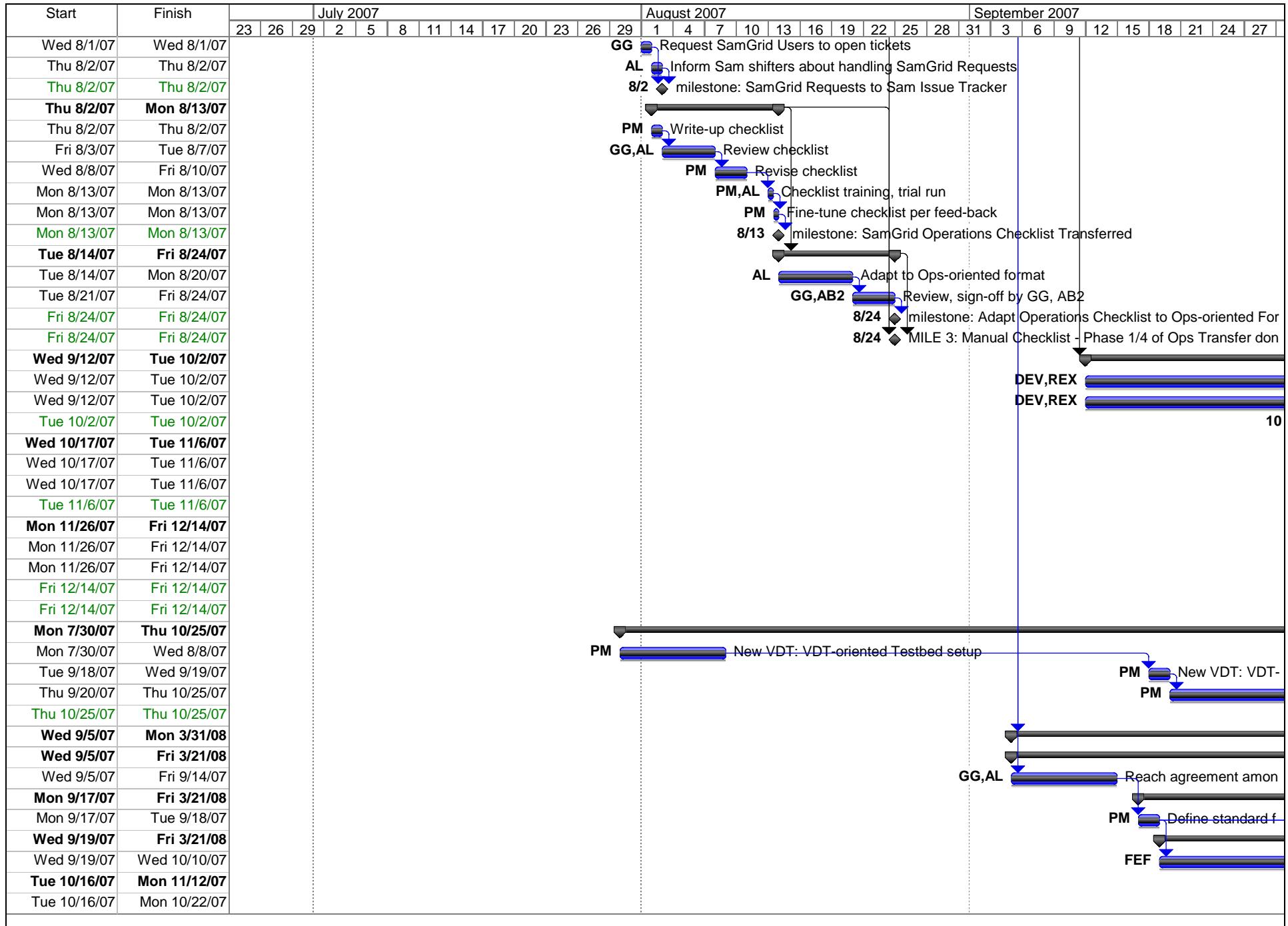
ID		WBS	Task Name	Contact	Resource Initials	Duration
420		7.12.6	D0 SamGrid Requests Evaluation: Revision (v1.0)	RDK	RDK	2 days
421		7.12.7	D0 SamGrid Requests Evaluation: Approval	RDK		1 day
422		7.11	MILE 25: Evaluation of D0 SamGrid Requests done	RDK		0 days
423		8	<b>Project Management</b>	RDK		181 days
424		8.1	INPUT: Draft Preliminary High-level WBS	RDK	RDK	0 days
425		8.2	<b>Initiative Coordination Meeting</b>	RDK		166.13 days
426		8.2.1	Initiative Coordination Meeting 1	RDK		1 hr
427		8.2.2	Initiative Coordination Meeting 2	RDK		1 hr
428		8.2.3	Initiative Coordination Meeting 3	RDK		1 hr
429		8.2.4	Initiative Coordination Meeting 4	RDK		1 hr
430		8.2.5	Initiative Coordination Meeting 5	RDK		1 hr
431		8.2.6	Initiative Coordination Meeting 6	RDK		1 hr
432		8.2.7	Initiative Coordination Meeting 7	RDK		1 hr
433		8.2.8	Initiative Coordination Meeting 8	RDK		1 hr
434		8.2.9	Initiative Coordination Meeting 9	RDK		1 hr
435		8.2.10	Initiative Coordination Meeting 10	RDK		1 hr
436		8.2.11	Initiative Coordination Meeting 11	RDK		1 hr
437		8.2.12	Initiative Coordination Meeting 12	RDK		1 hr
438		8.2.13	Initiative Coordination Meeting 13	RDK		1 hr
439		8.2.16	Initiative Coordination Meeting 14	RDK		1 hr
440		8.2.14	Initiative Coordination Meeting 15	RDK		1 hr
441		8.2.17	Initiative Coordination Meeting 16	RDK		1 hr
442		8.2.15	Initiative Coordination Meeting 17	RDK		1 hr
443		8.2.19	Initiative Coordination Meeting 18	RDK		1 hr
444		8.2.20	Initiative Coordination Meeting 19	RDK		1 hr
445		8.2.21	Initiative Coordination Meeting 20	RDK		1 hr
446		8.2.22	Initiative Coordination Meeting 21	RDK		1 hr
447		8.2.23	Initiative Coordination Meeting 22	RDK		1 hr
448		8.3	<b>Project Planning</b>	RDK		78.9 days
449		8.3.1	WBS/Schedule v0.8 for 3/7 objectives	RDK	RDK	10 days
450		8.3.2	milestone: WBS/Schedule v0.8, begin weekly status'ing	RDK		0 days
451		8.3.3	WBS/Schedule v0.9 for 5/7 objectives	RDK	RDK	13 days
452		8.3.4	milestone: Plan v0.9 sufficient to drive near-term work	RDK		0 days
453		8.3.5	Draft WBS/Schedule v1.0 for 7/7 objectives	RDK	GG,RDK	32 days
454		8.3.6	Big Baseline Planning Meeting	RDK		1 day
455		8.3.7	Create Baseline Project Plan v1.0	RDK	RDK	2 days
456		8.3.8	MILE 6: Baseline Project Plan v1.0 released	RDK		0 days
457		8.3.9	Baseline Project Plan: Executive Presentations	RDK	RDK	4 days
458		8.3.12	Baseline Project Plan v1.0: Integrate feed-back	RDK	RDK	2 days
459		8.3.13	Baseline Plan Project v1.1: Drop tasks pushed out past end of Initiative	RDK	RDK	2 days
460		8.3.14	MILE 8: Project Plan v1.1	RDK		0 days
461		8.4	<b>Project Administration</b>	RDK		154.9 days

ID		WBS	Task Name	Contact	Resource Initials	Duration
462	✓	8.4.1	Planning Phase (Level of Effort = 5%)	RDK	RDK	48 days
463		8.4.2	Execution Phase (Level of Effort >= 15%)	RDK	RDK	87 days
464		8.5	<b>Project Close-out</b>	RDK		15 days
465		8.5.6	Project Objectives Close-out Document	RDK	RDK	5 days
466	✉️	8.5.1	Project Close-out Meeting	RDK	RDK	1 day
467		8.5.2	Project Close-out Report	RDK	RDK	4 days
468		8.5.3	Project Close-out Report Approval: ABS, CD	RDK	ASB,RDK	4 days
469		8.5.4	Archive project artifacts	RDK	RDK	1 day
470		8.5.5	milestone: Initiative Closed-out	RDK		0 days
471		9	MILE 29: D0 GPC Initiative completed	ASB		0 days



Start	Finish	July 2007												August 2007												September 2007											
		23	26	29	2	5	8	11	14	17	20	23	26	29	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12	15	18	21	24	27			
Thu 2/14/08	Tue 2/19/08																																				
Wed 2/20/08	Fri 2/22/08																																				
Mon 2/25/08	Wed 2/27/08																																				
Mon 3/17/08	Thu 3/20/08																																				
Fri 3/21/08	Fri 3/21/08																																				
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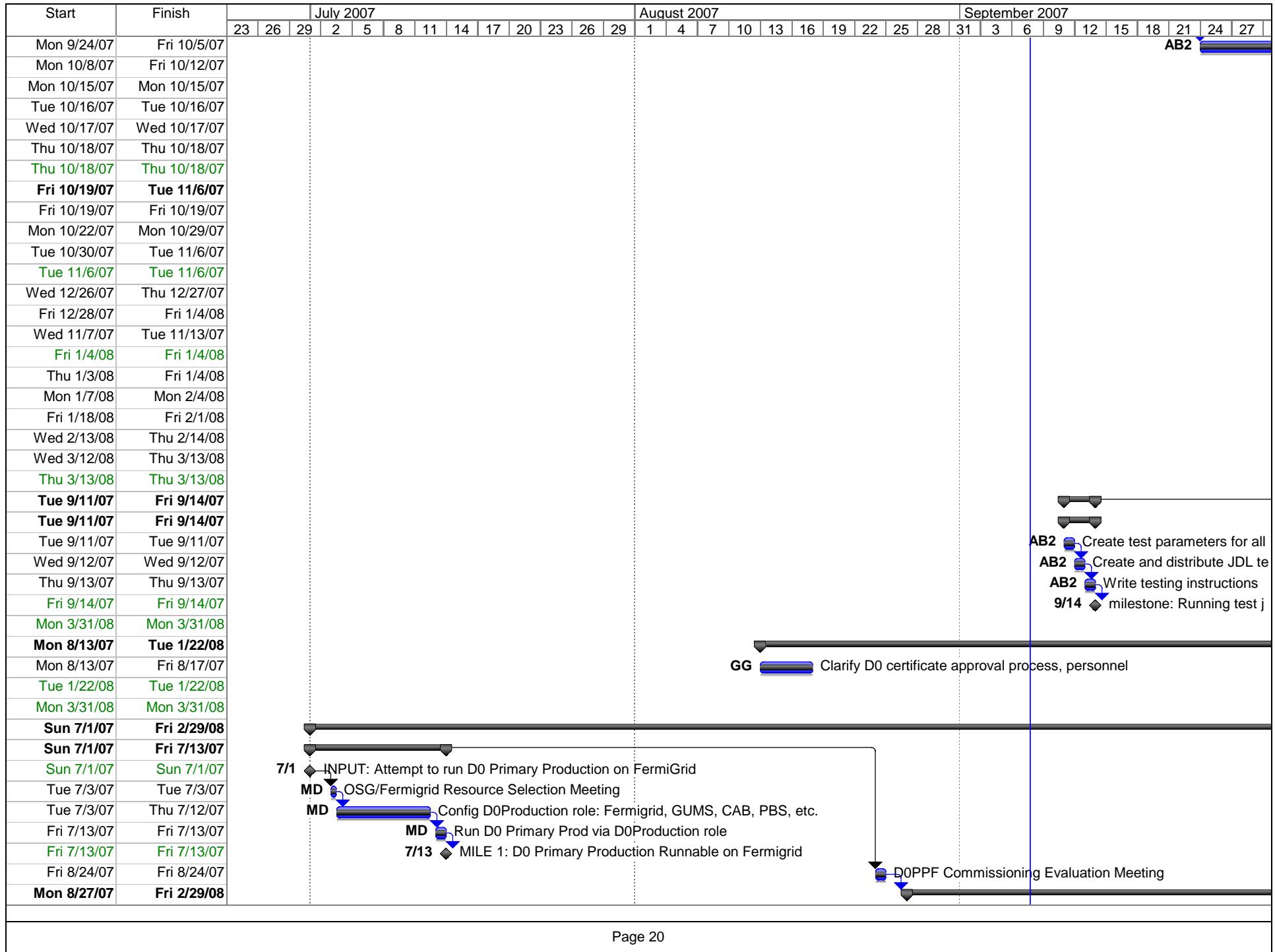




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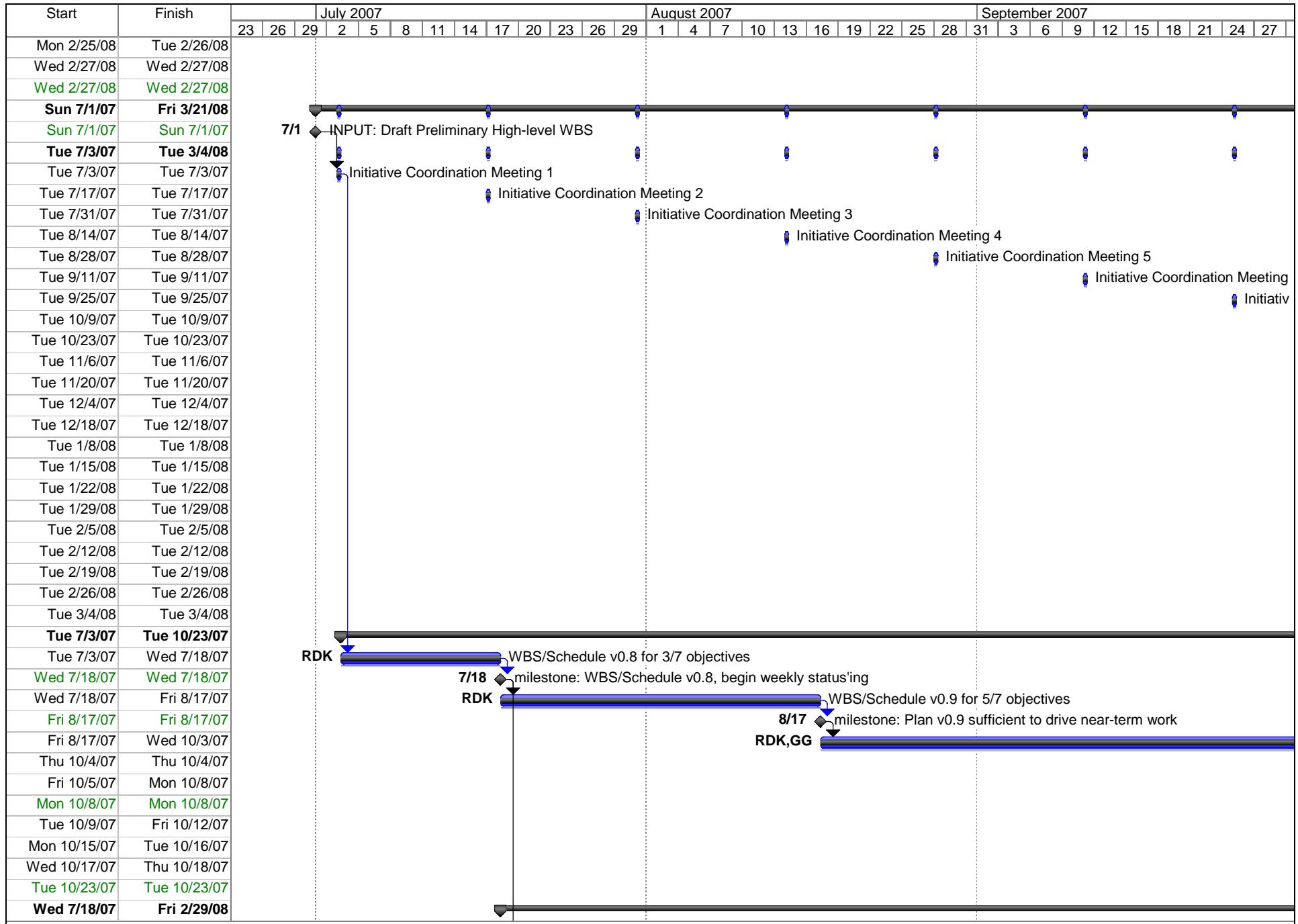
The Gantt chart displays the following tasks and their dependencies:

- Fix d0srv065 storage issues**: MD task starting 8/29/07, dependent on Mon 8/27/07.
- Run D0 Primary Prod to verify storage fix**: MD task starting 8/29/07, dependent on Fix d0srv065 storage issues.
- Scale-up D0 Primary Prod to 200 no**: MD task starting 8/29/07, dependent on Run D0 Primary Prod to verify storage fix.
- Implement Change Management for feature requests u**: MD, GG, PM, JS task starting 8/29/07, dependent on Scale-up D0 Primary Prod to 200 no.
- Forwarding Node Behind Firewall: Evaluate, determine best cour**: AB2 task starting 12/12/07, dependent on Tue 12/18/07.

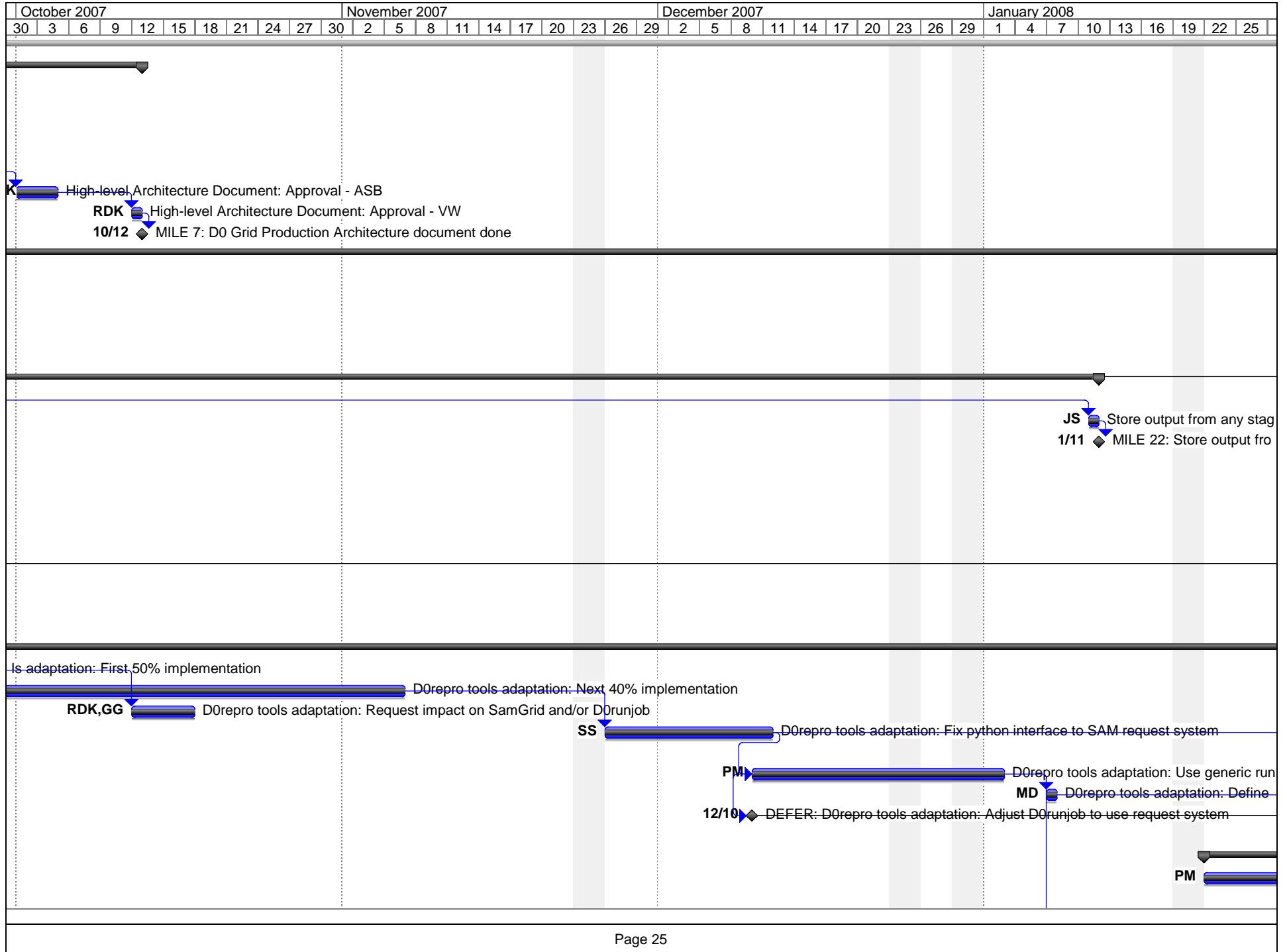
Milestones marked on the timeline:

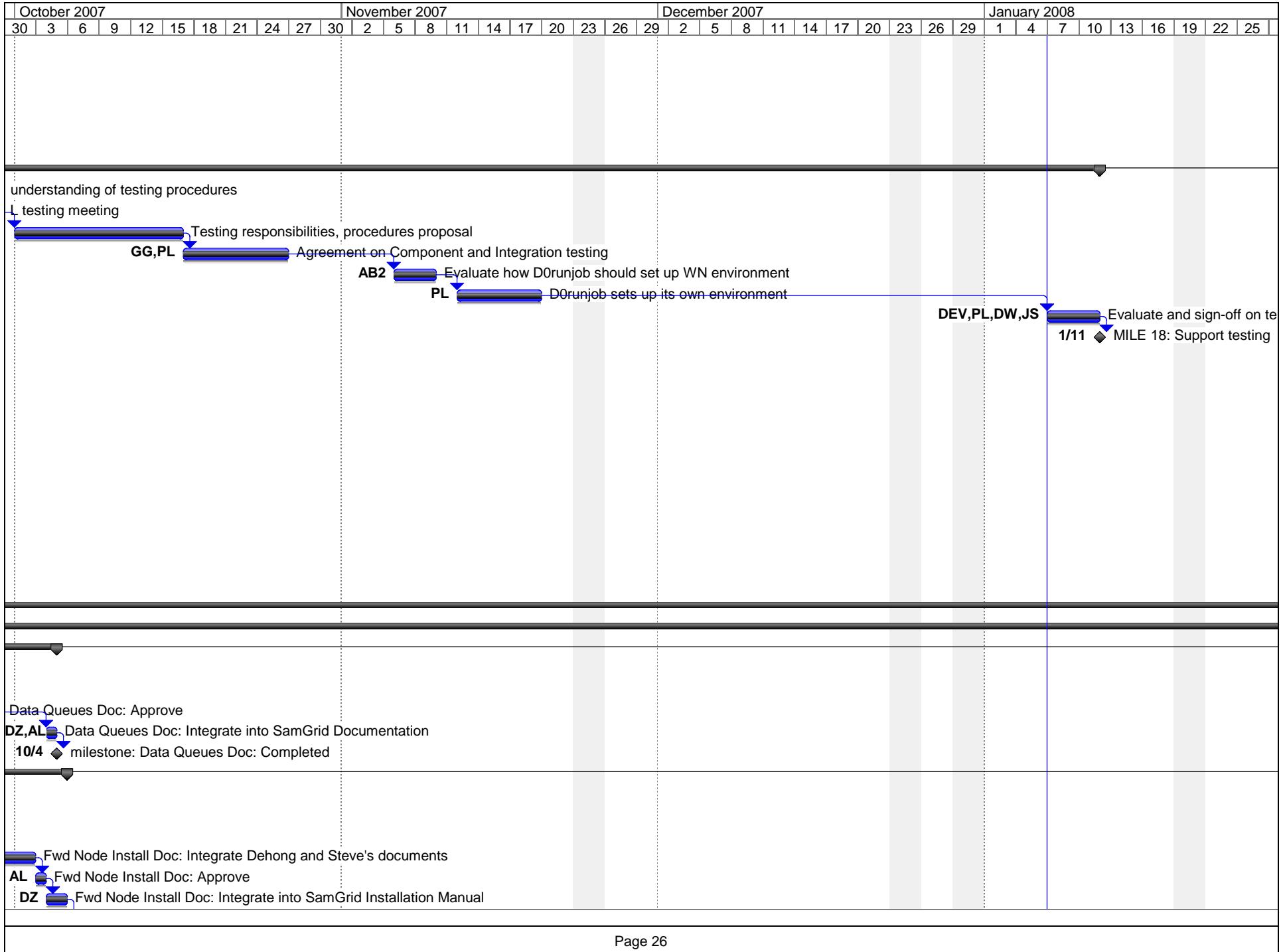
- 9/7**: milestone: DOPPF Stable Ops: Co
- 9/5**: INPUT: (3.5.4) Evaluate how to reduce
- 9/5**: INPUT: (3.5.4) Make Custom output su

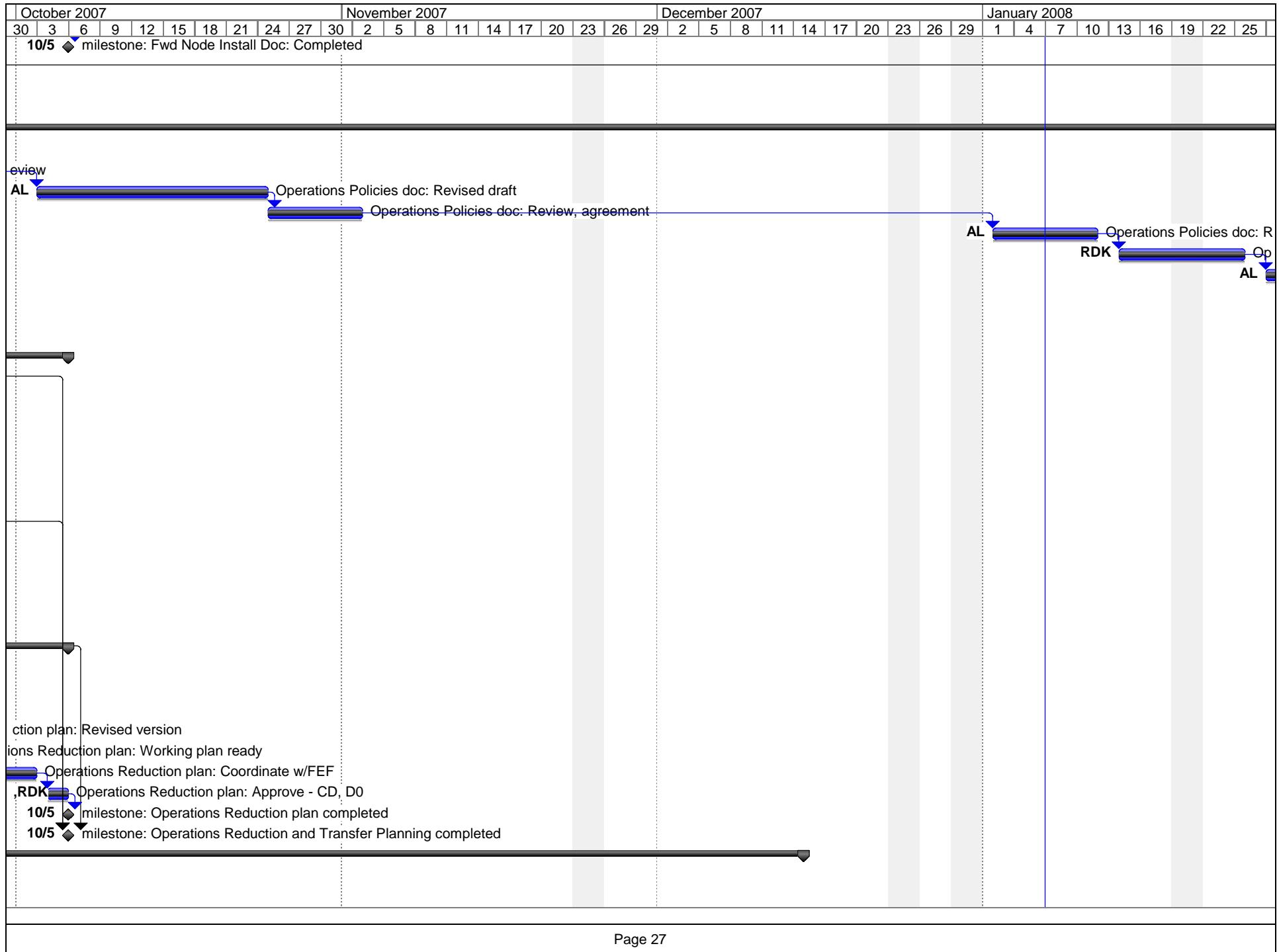












The Gantt chart illustrates the project timeline across four months:

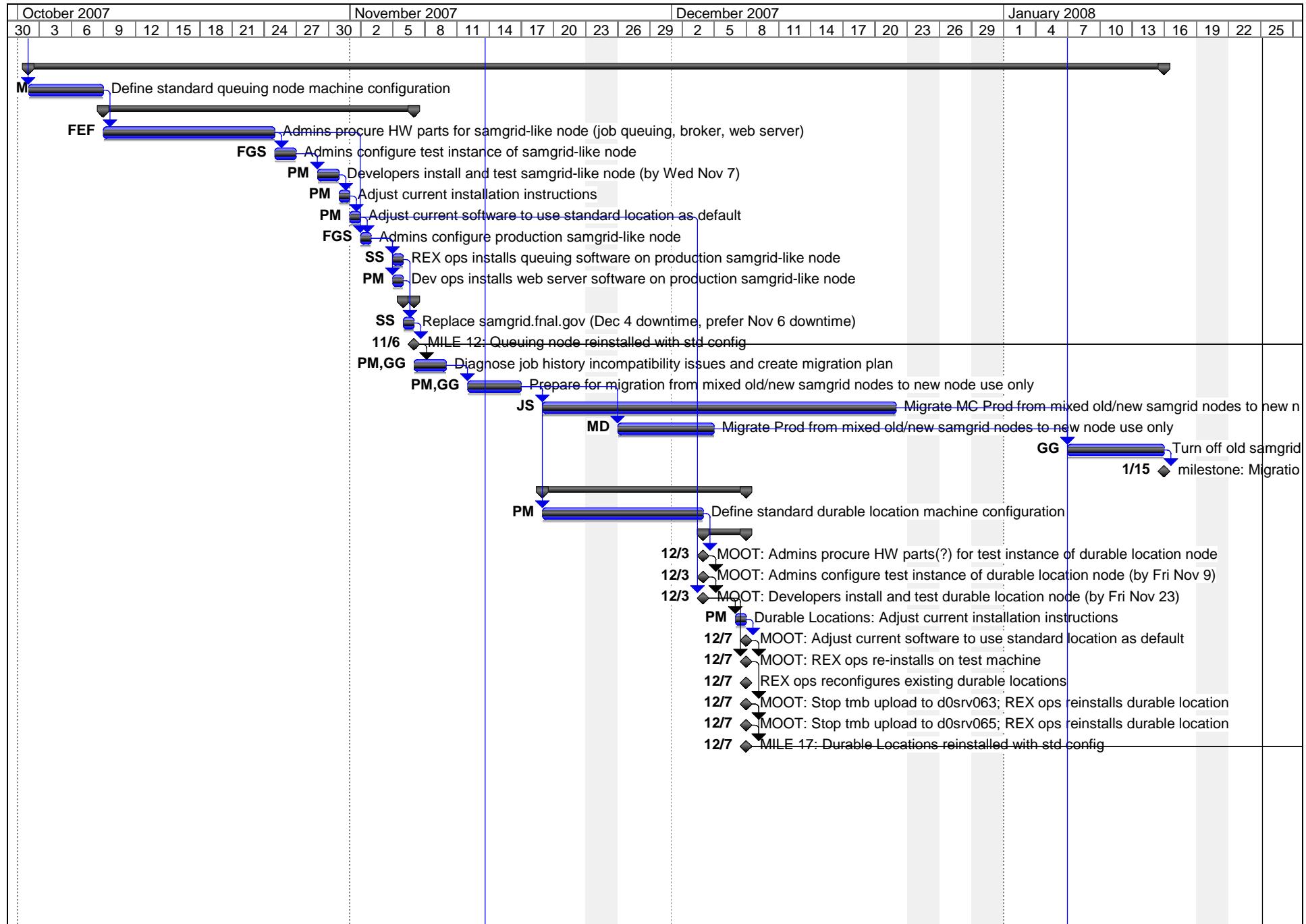
- October 2007:**
  - 30, 3, 6, 9, 12, 15, 18, 21, 24
  - REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)
  - Topical Operations Training and Docs as requested by REX ops (Level of Effort)
  - 0/2** MILE 5: Fwd Nodes - Phase 2/4 of Ops Transfer done
  - oriented Testbed resetup
  - New VDT: software adaptation and deployment
  - 10/25** MILE 9: SamGrid migrated to new VDT version
- November 2007:**
  - 2, 5, 8, 11, 14, 17, 20, 23, 26, 29
  - REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)
  - Topical Operations Training and Docs as requested by REX ops (Level of Effort)
  - 11/6** MILE 10: Queuing,Durable Nodes - Phase 3/4 of Ops Transfer done
- December 2007:**
  - 2, 5, 8, 11, 14, 17, 20, 23, 26, 29
  - REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)
  - Topical Operations Training and Docs as requested by REX ops (Level of Effort)
  - 12/14** MILE 21: Jim\_Client+ - Phase 4/4 of Ops Transfer done
  - 12/14** milestone: Operations Transfer nominally completed
- January 2008:**
  - 1, 4, 7, 10, 13, 16, 19, 22, 25

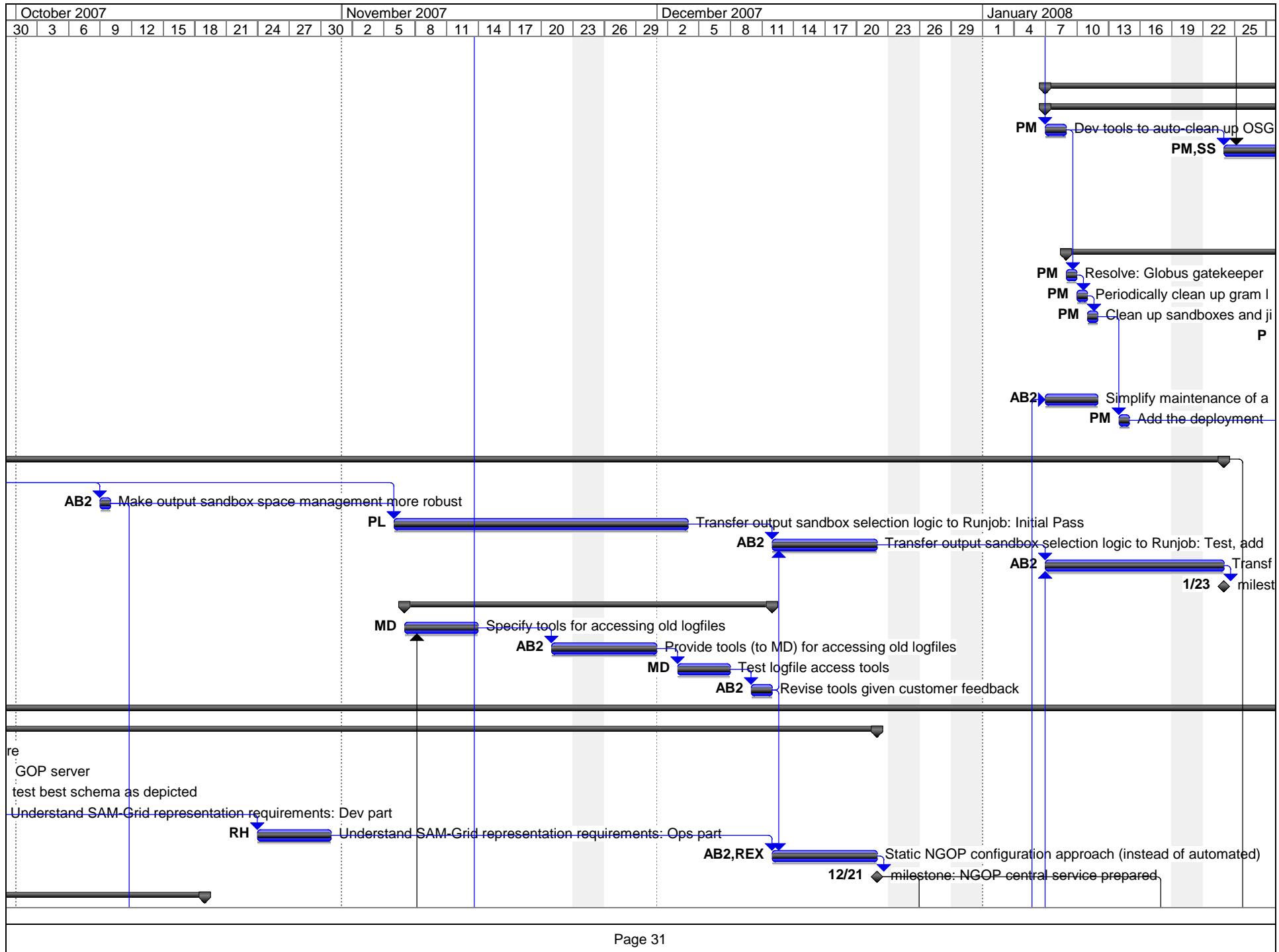
Key milestones marked with diamonds include:

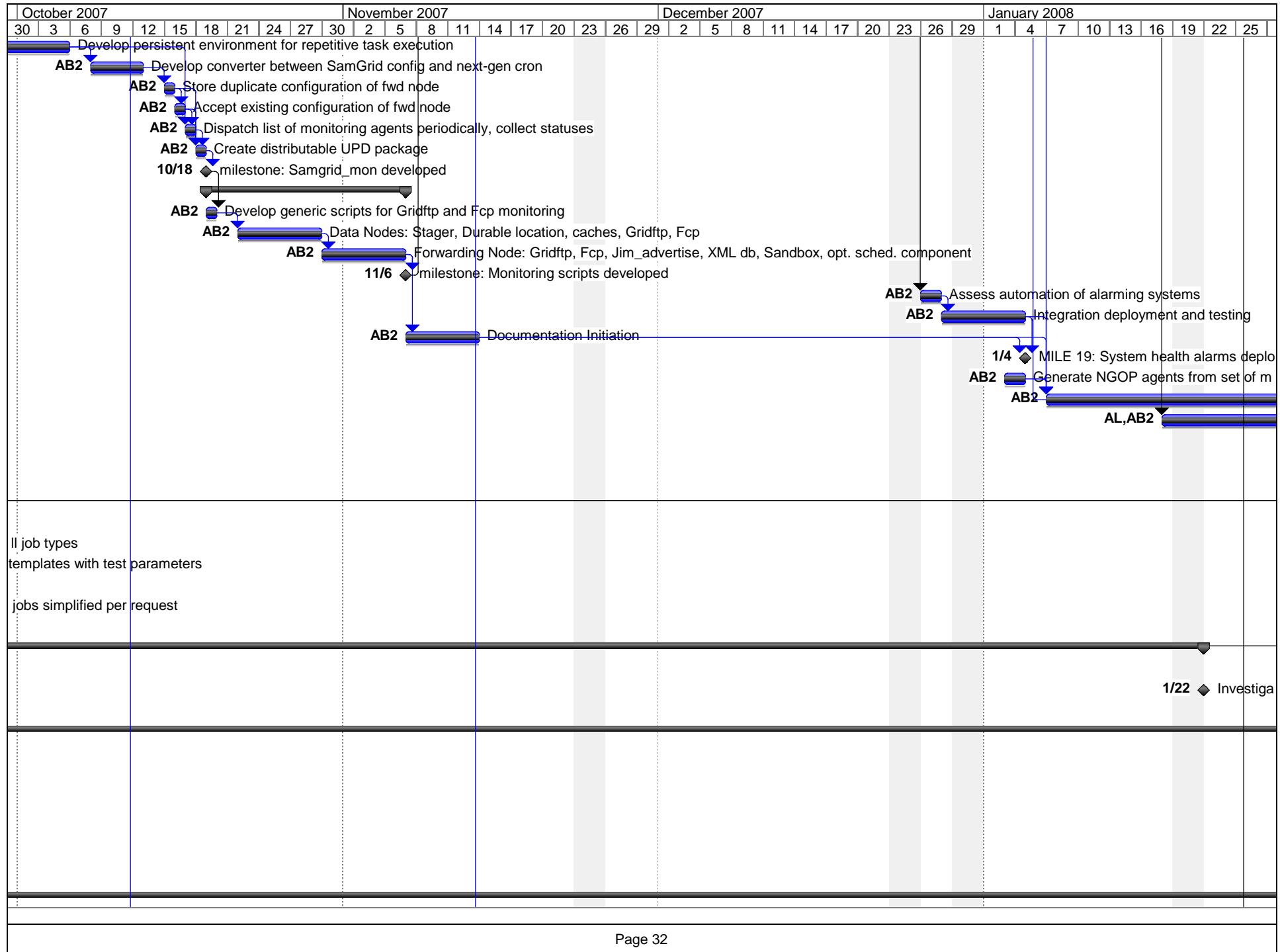
- 0/2 MILE 5: Fwd Nodes - Phase 2/4 of Ops Transfer done
- 11/6 MILE 10: Queuing,Durable Nodes - Phase 3/4 of Ops Transfer done
- 12/14 MILE 21: Jim\_Client+ - Phase 4/4 of Ops Transfer done
- 12/14 milestone: Operations Transfer nominally completed

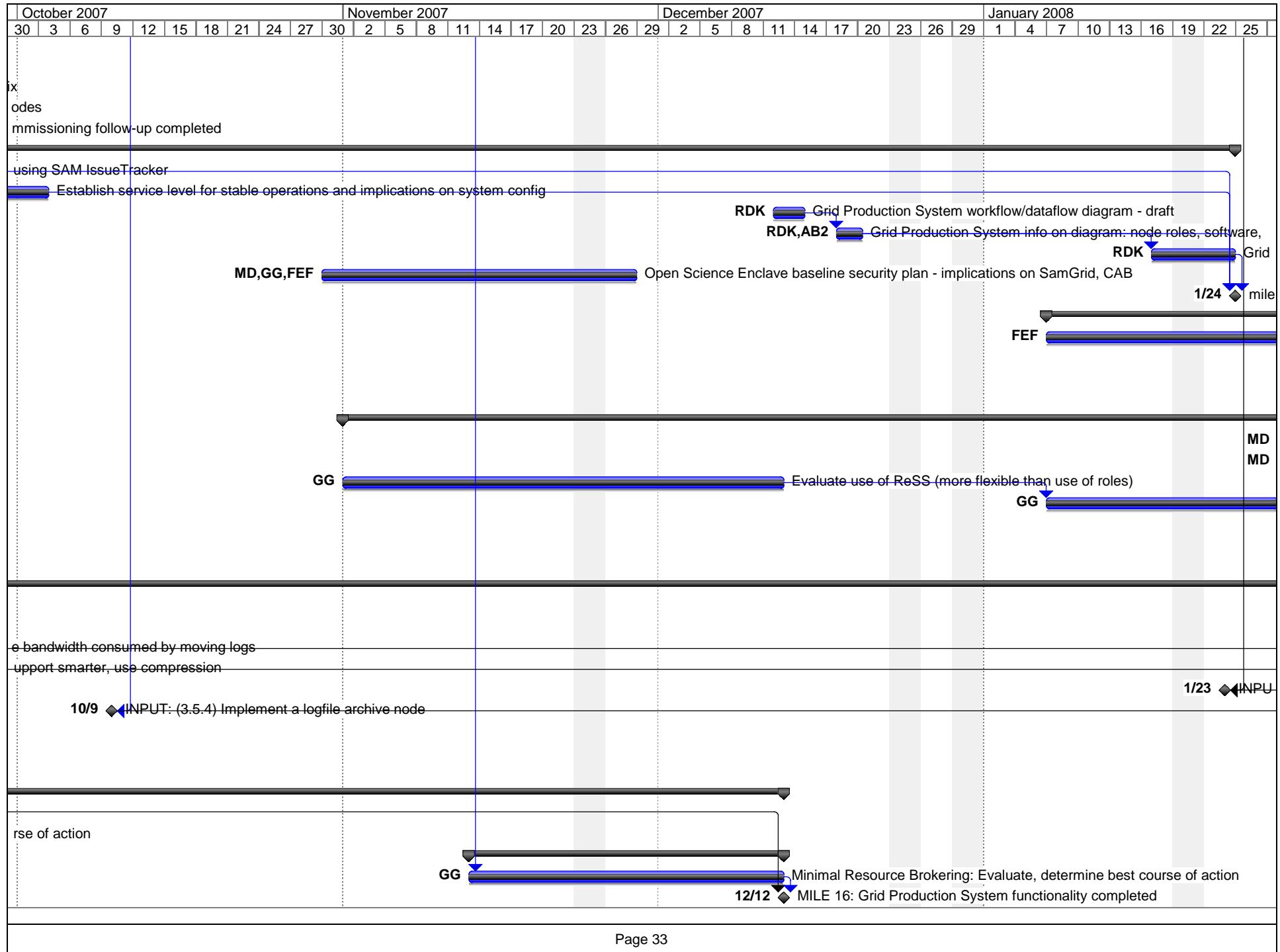
Tasks involving "DEV, REX" are shown in blue.

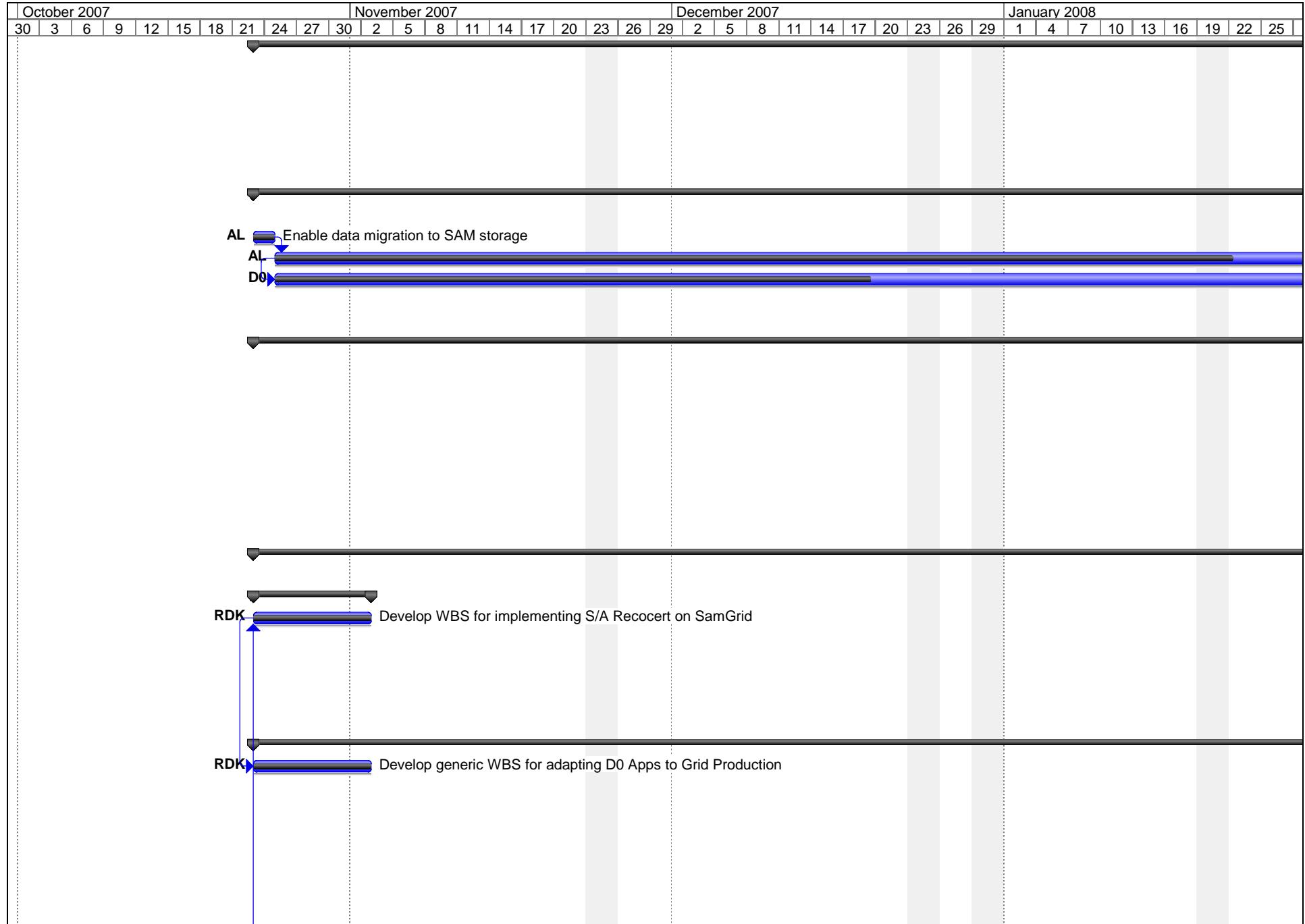


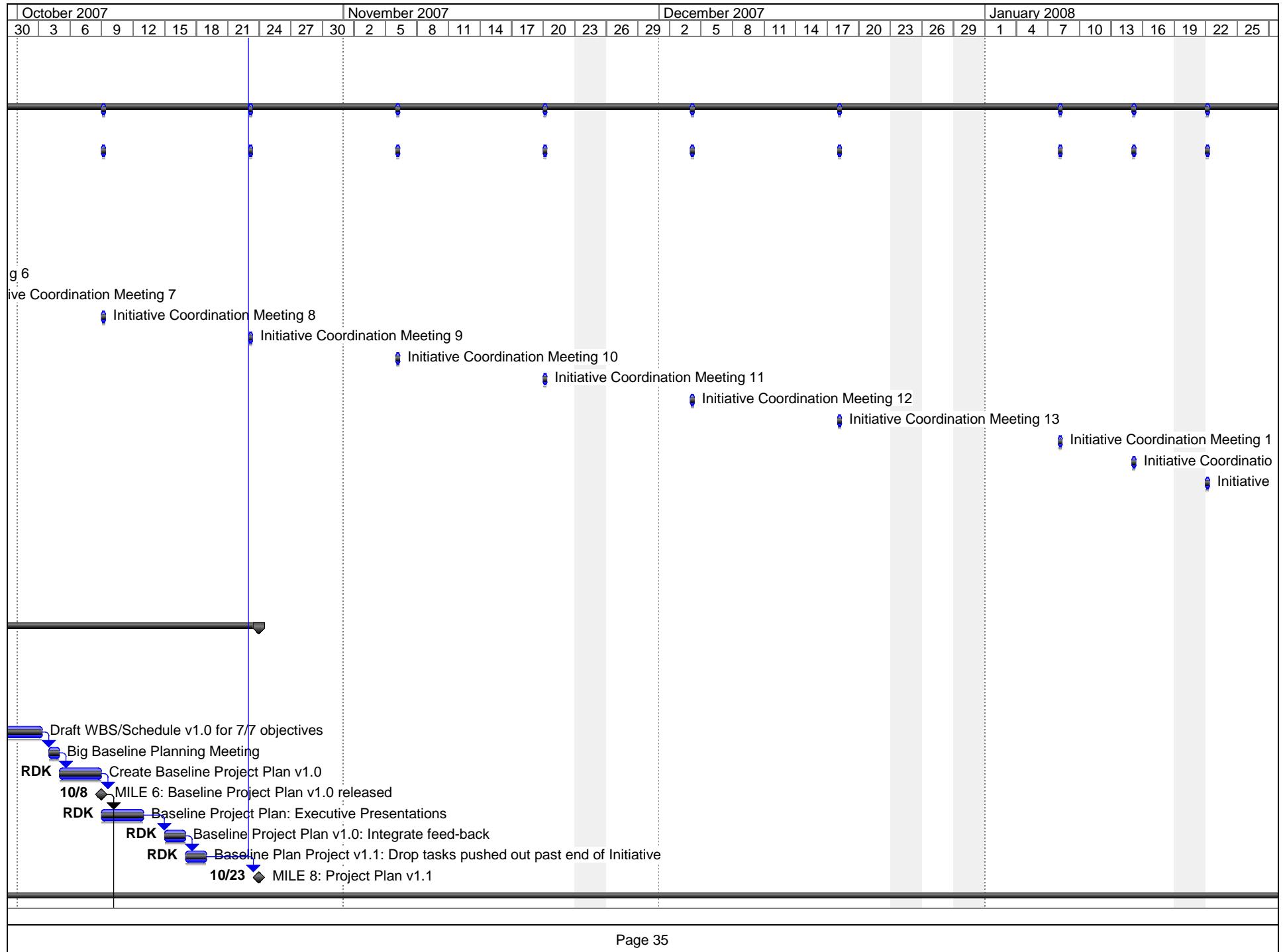




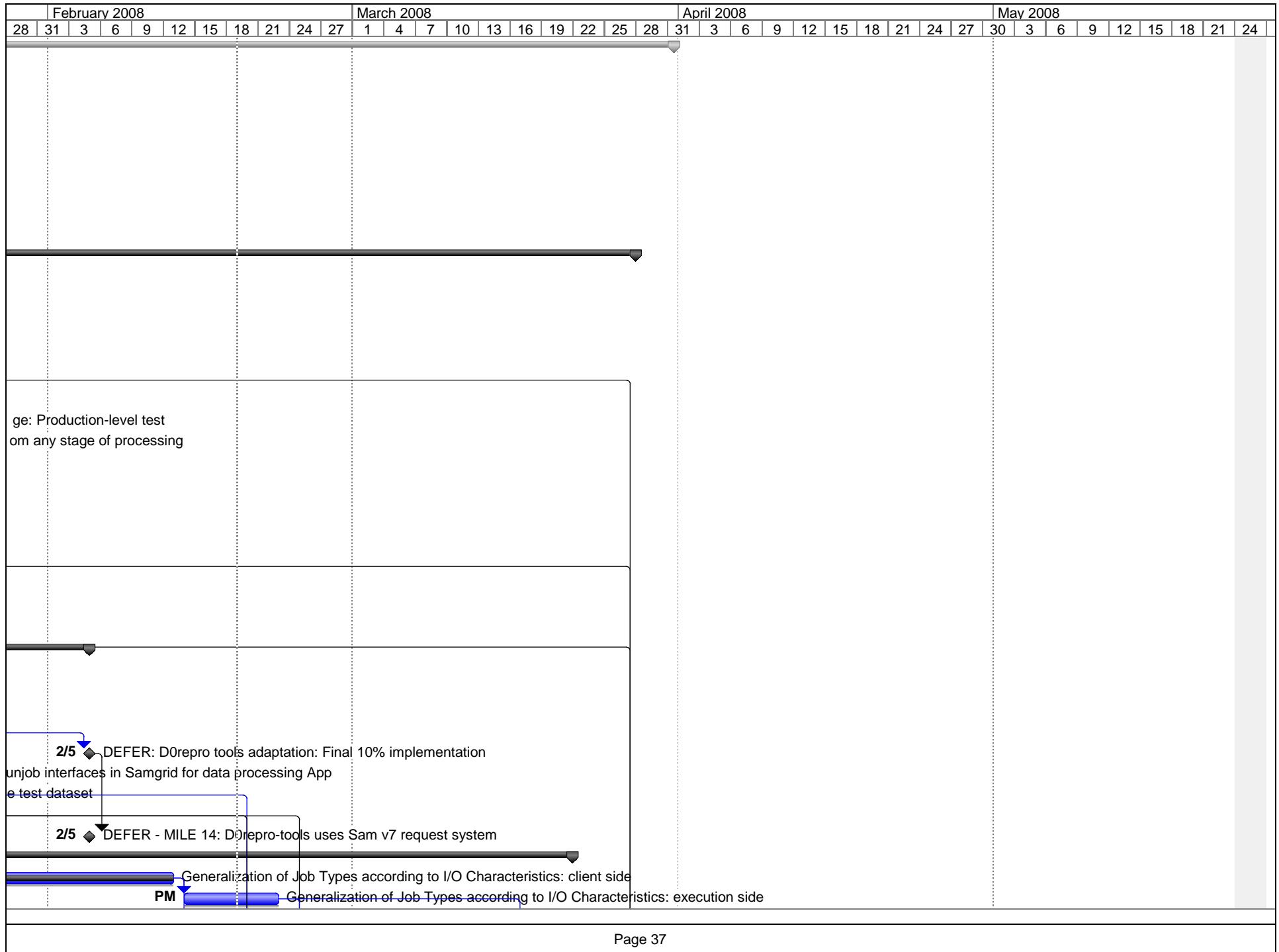


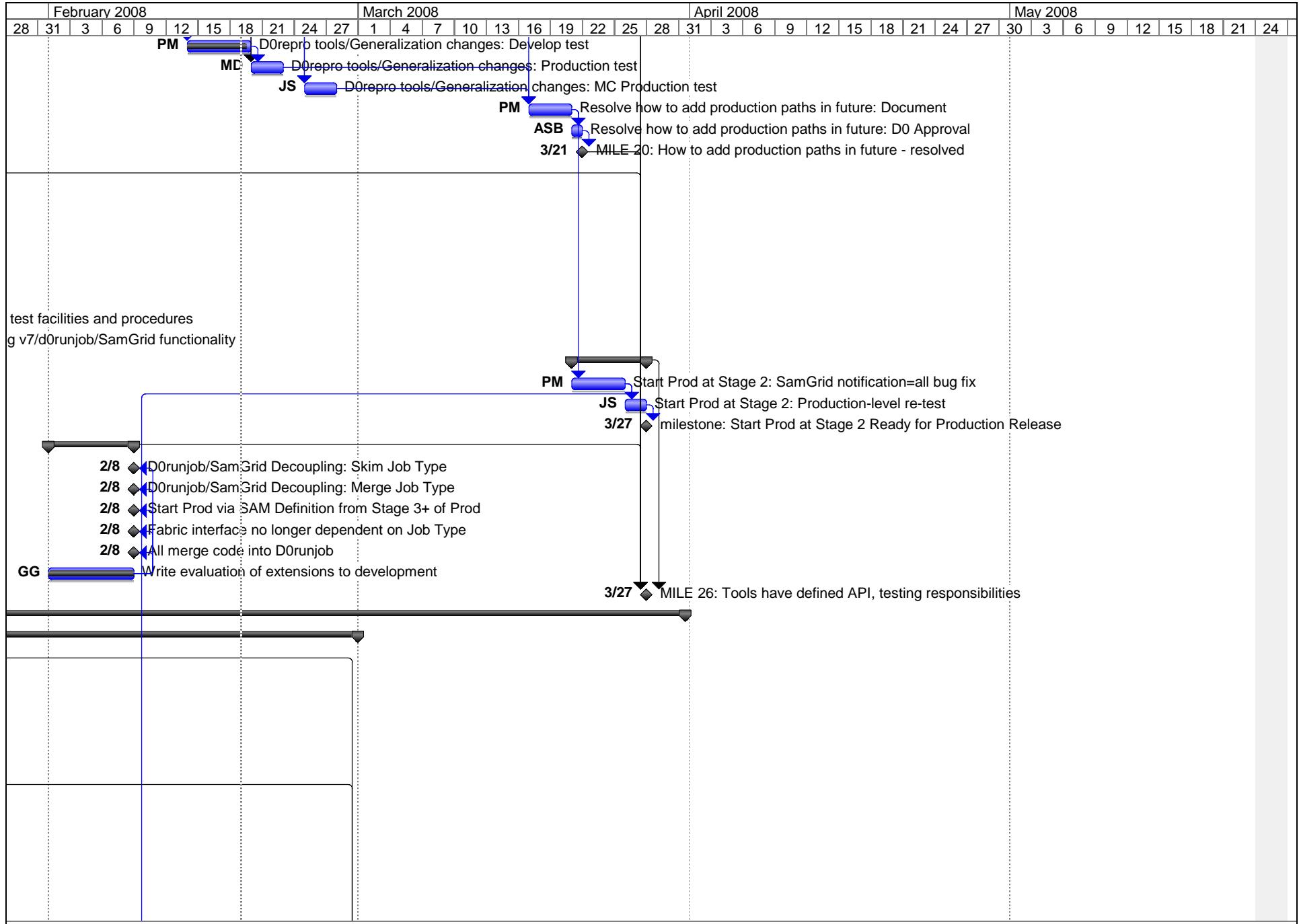


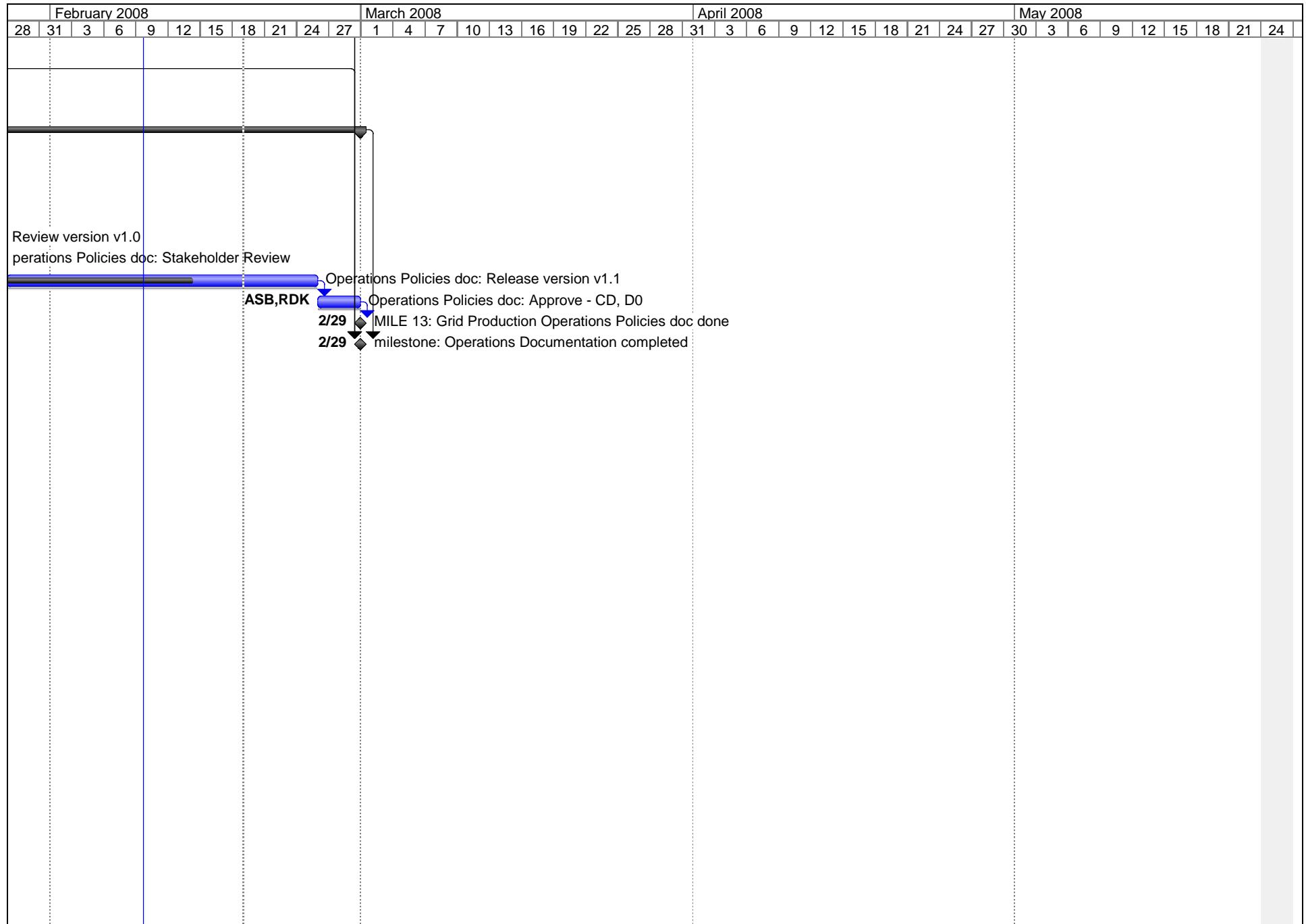


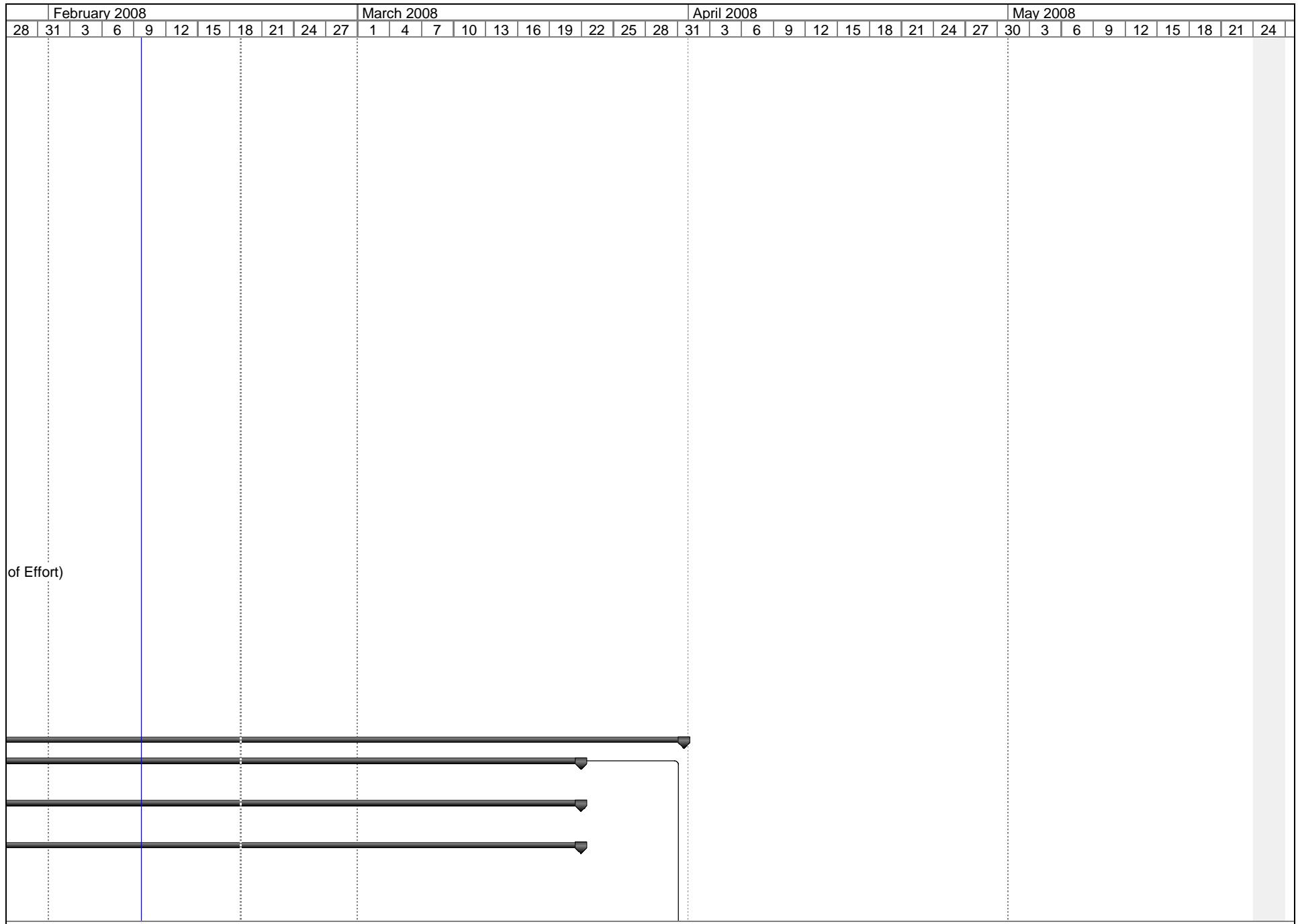


October 2007										November 2007										December 2007										January 2008									
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Planning Phase (Level of Effort = 5%)																																							
RDK																																							

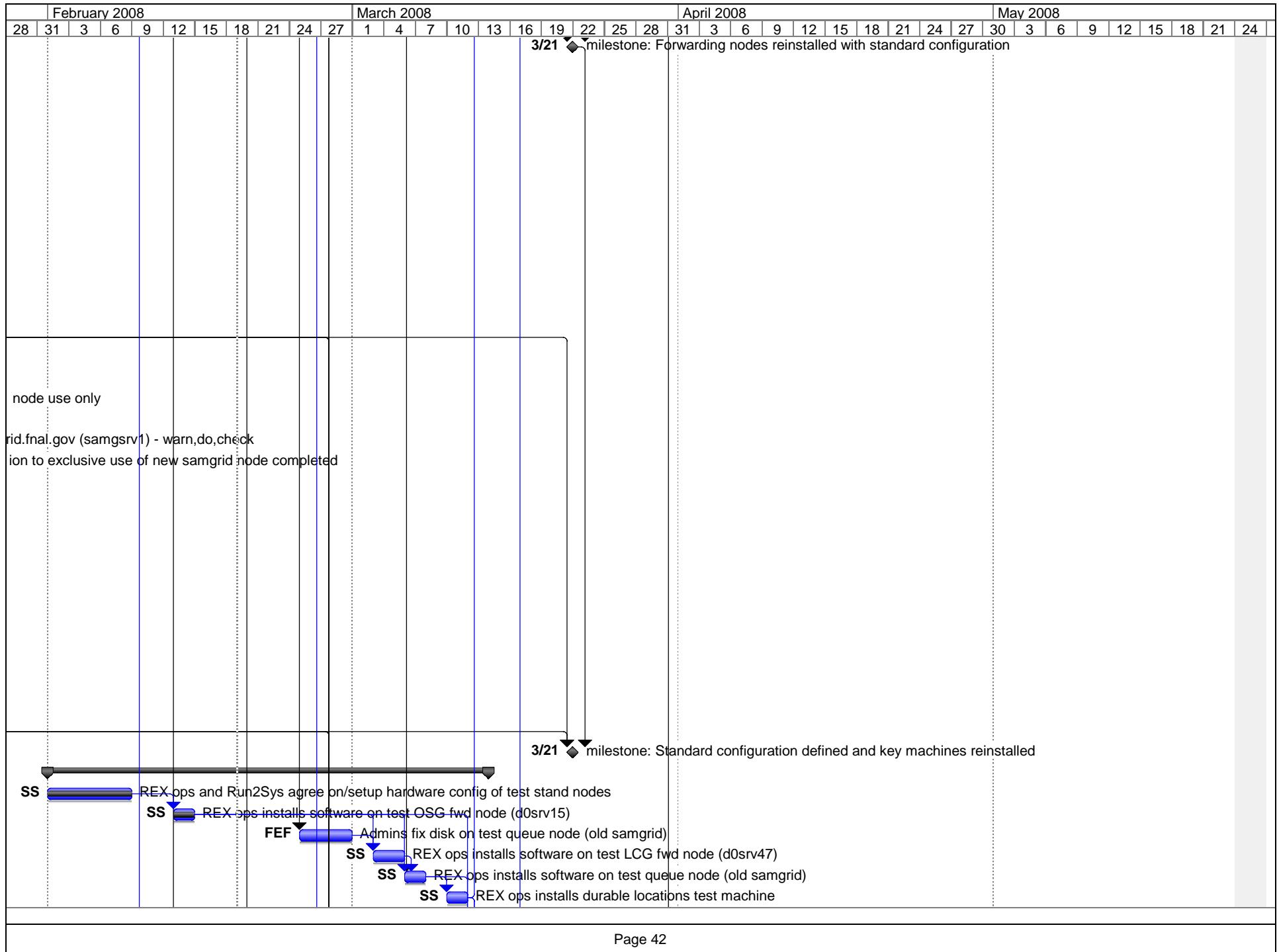


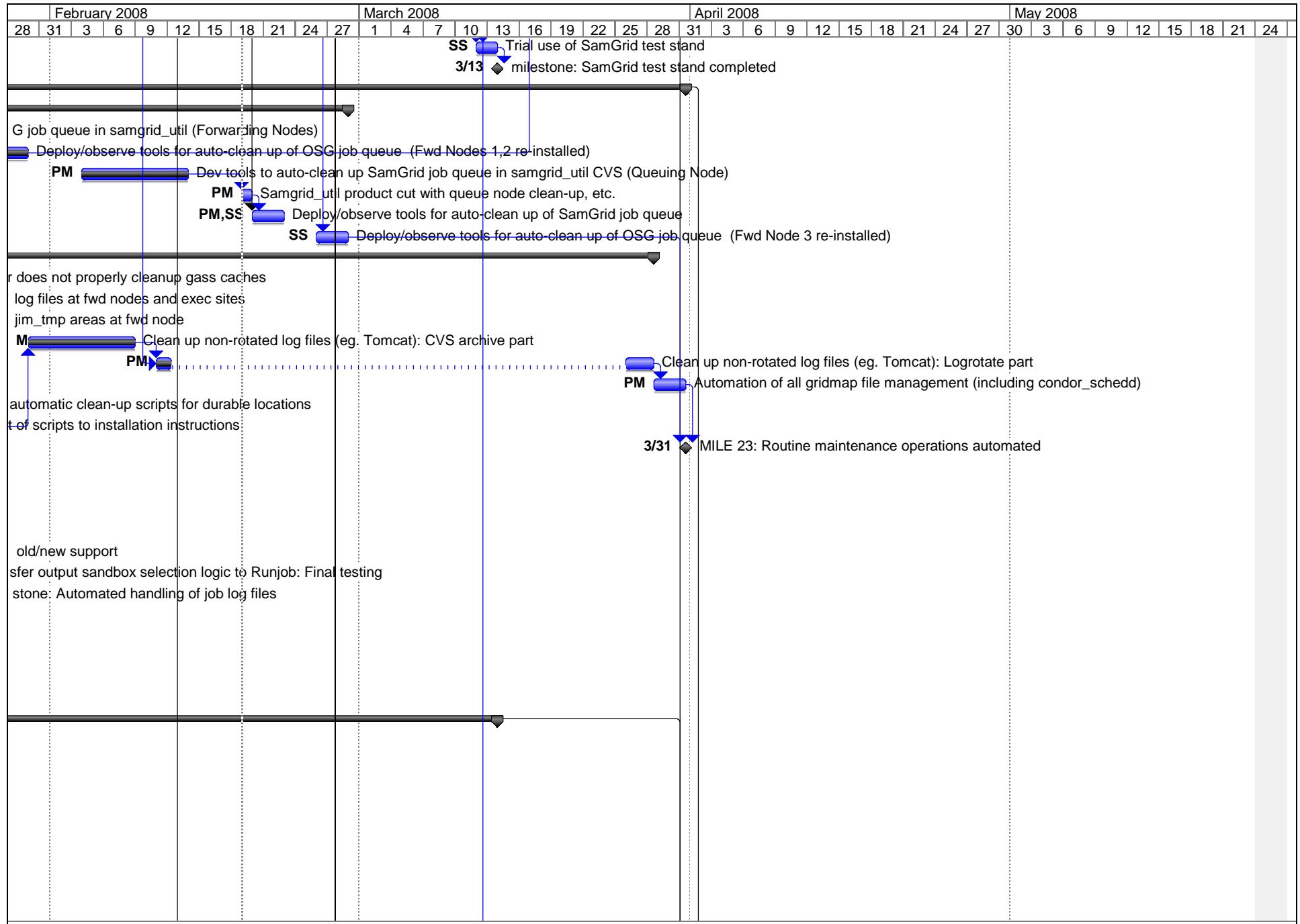


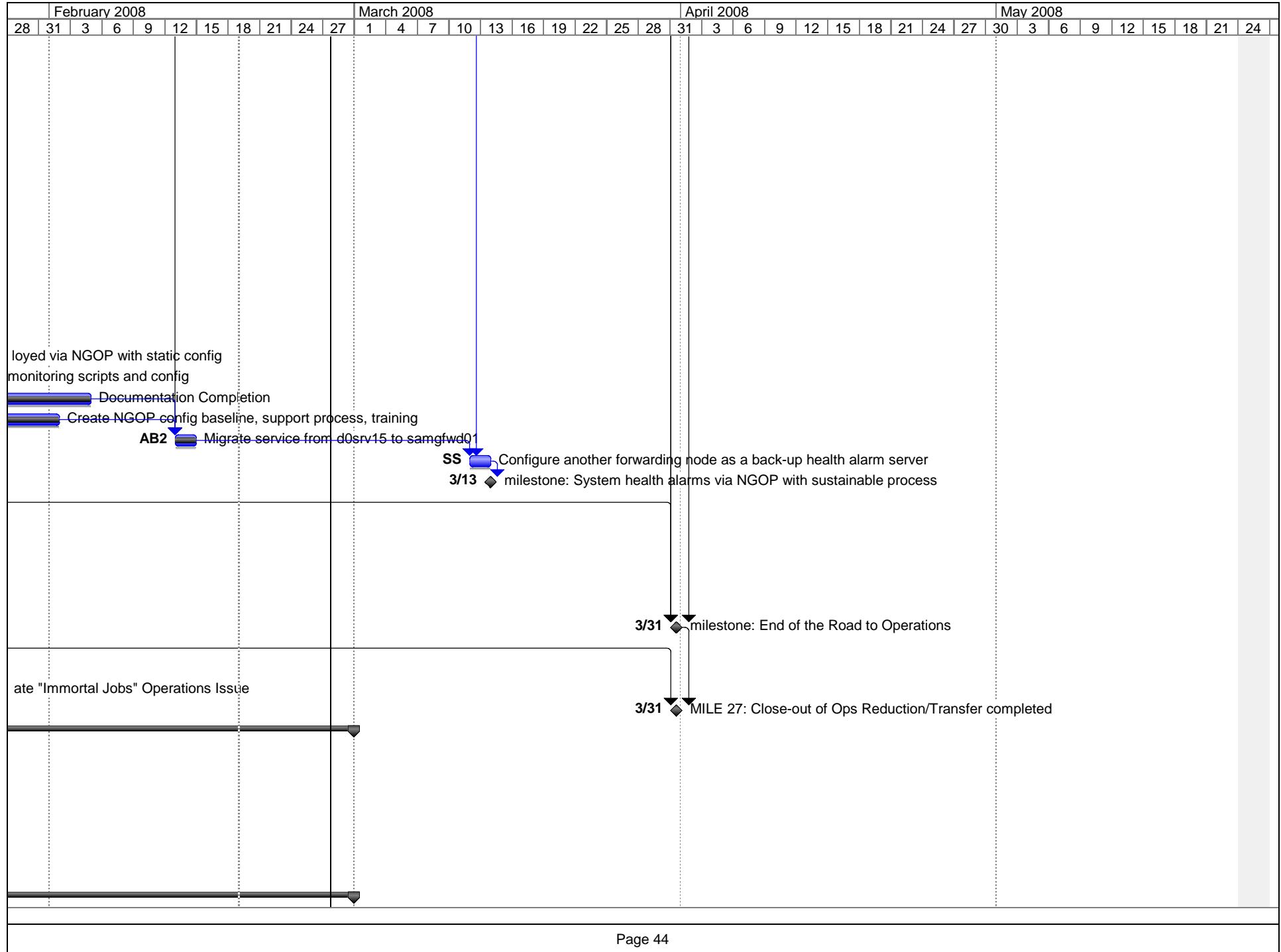


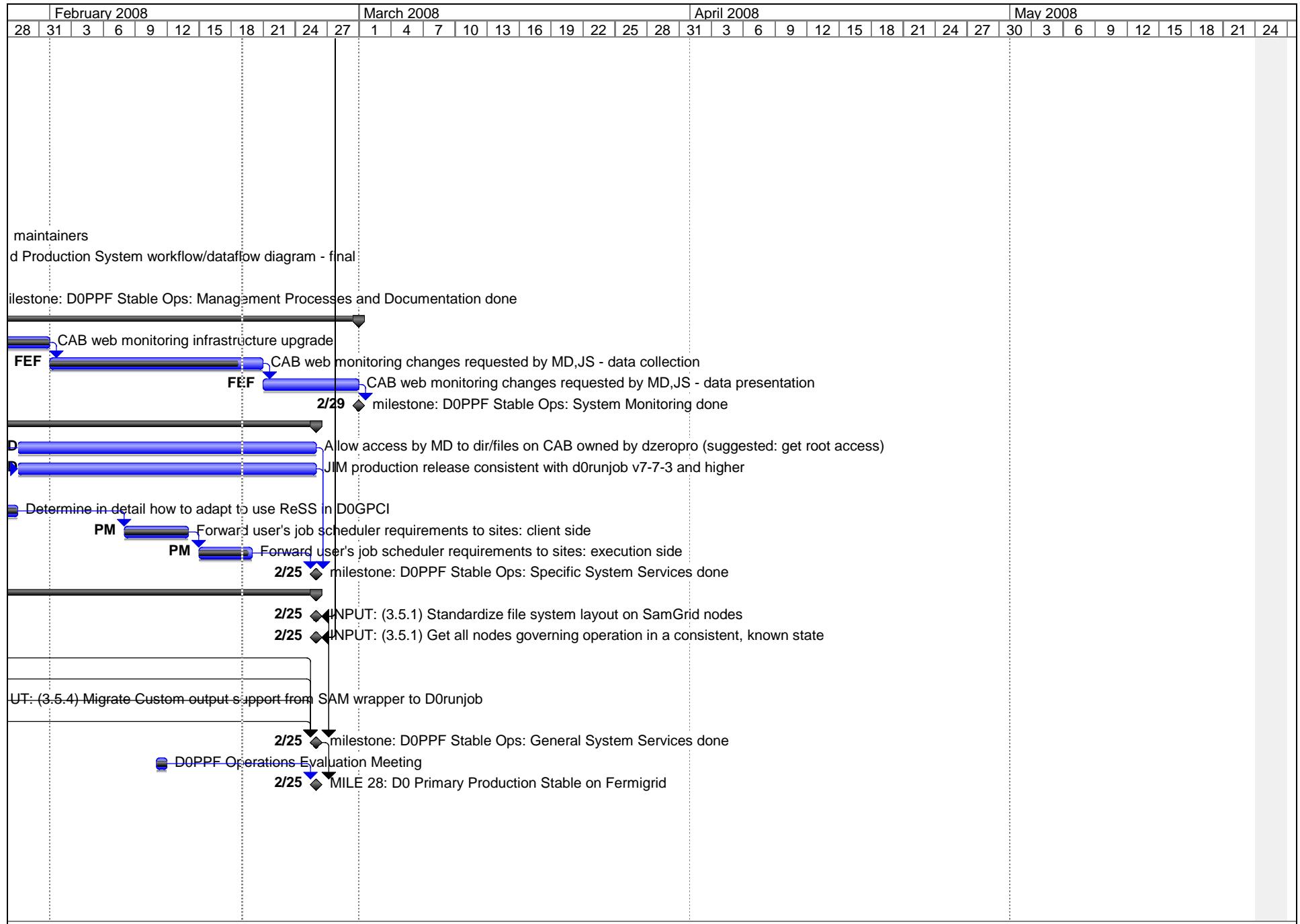


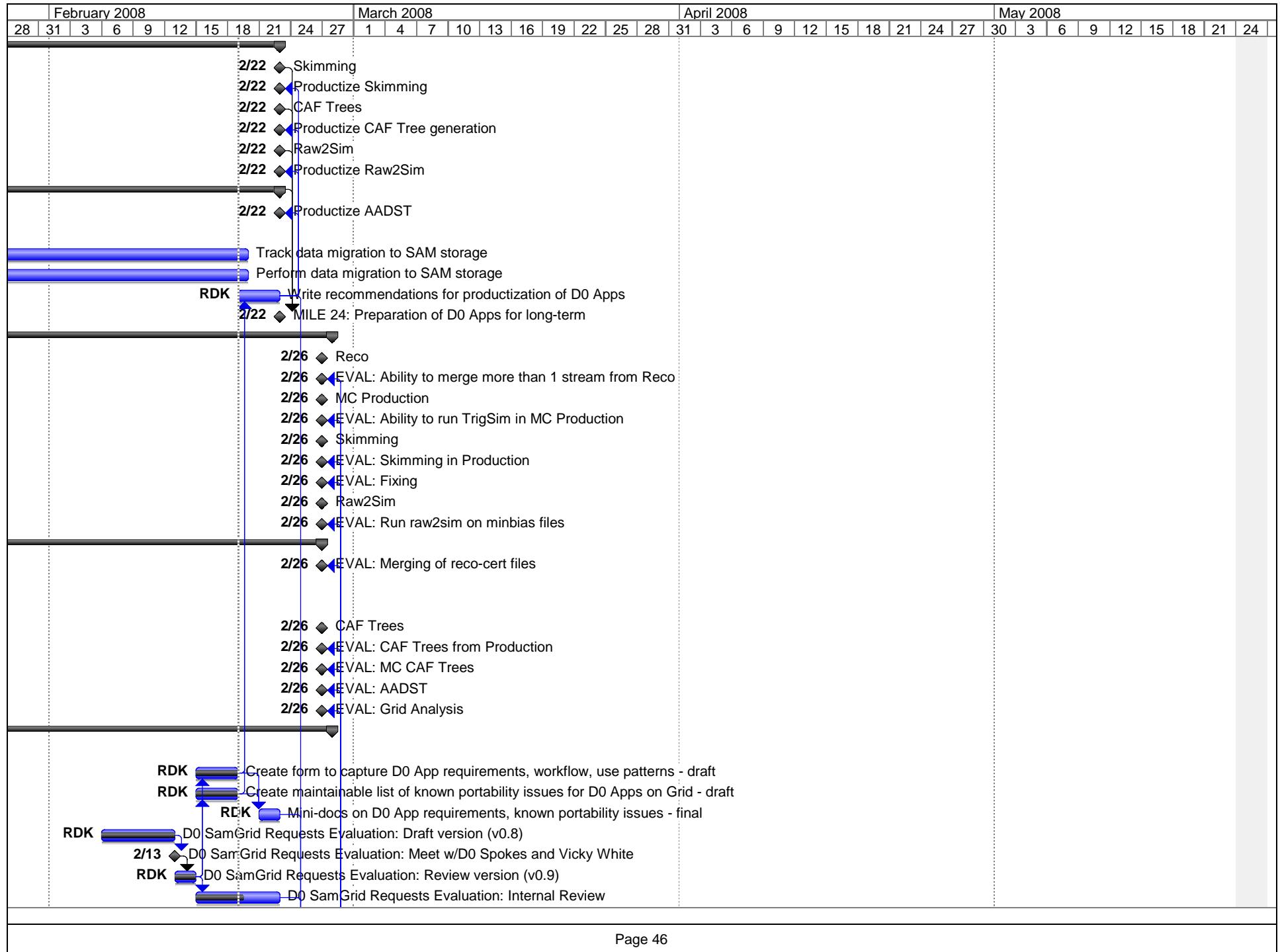


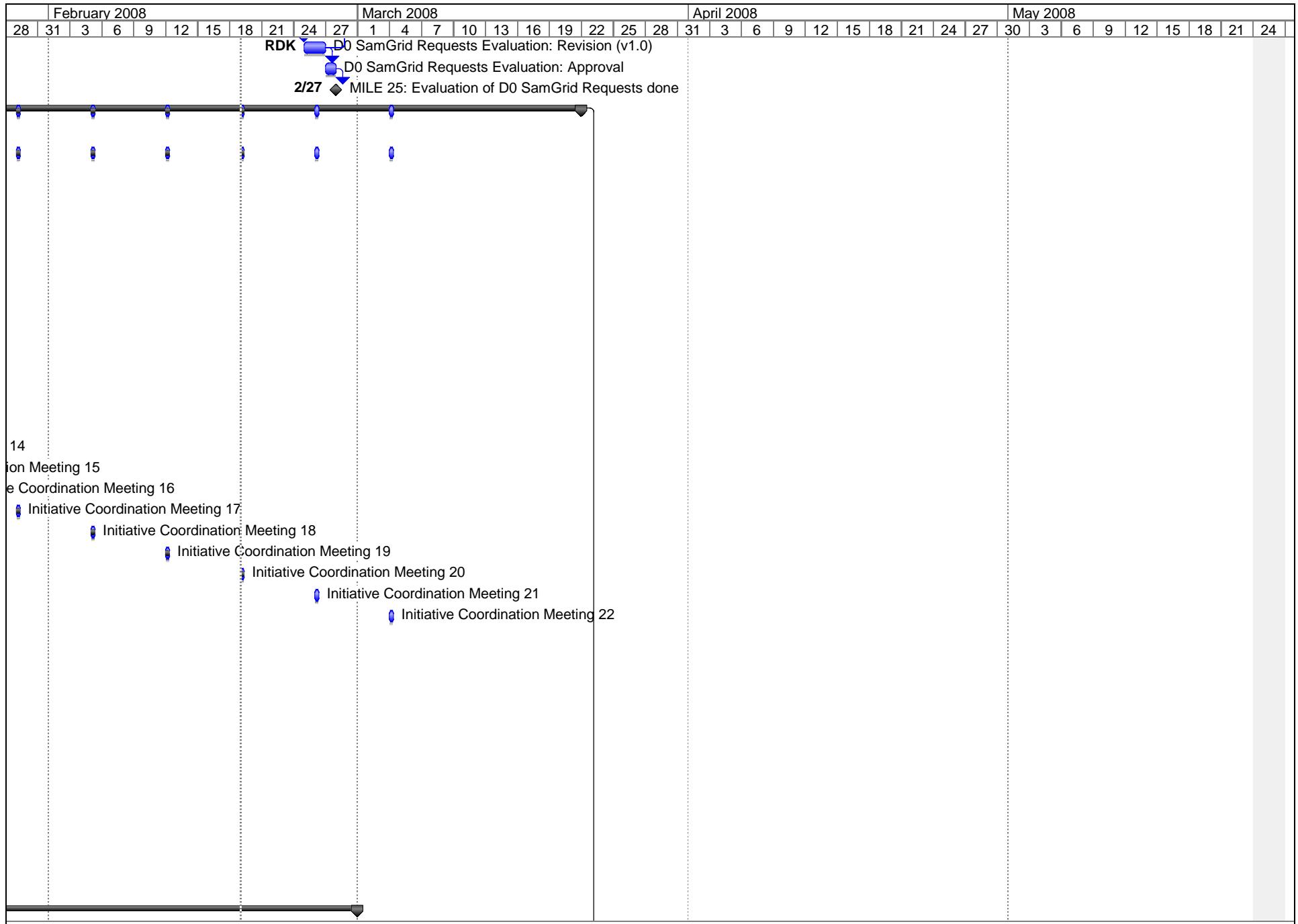


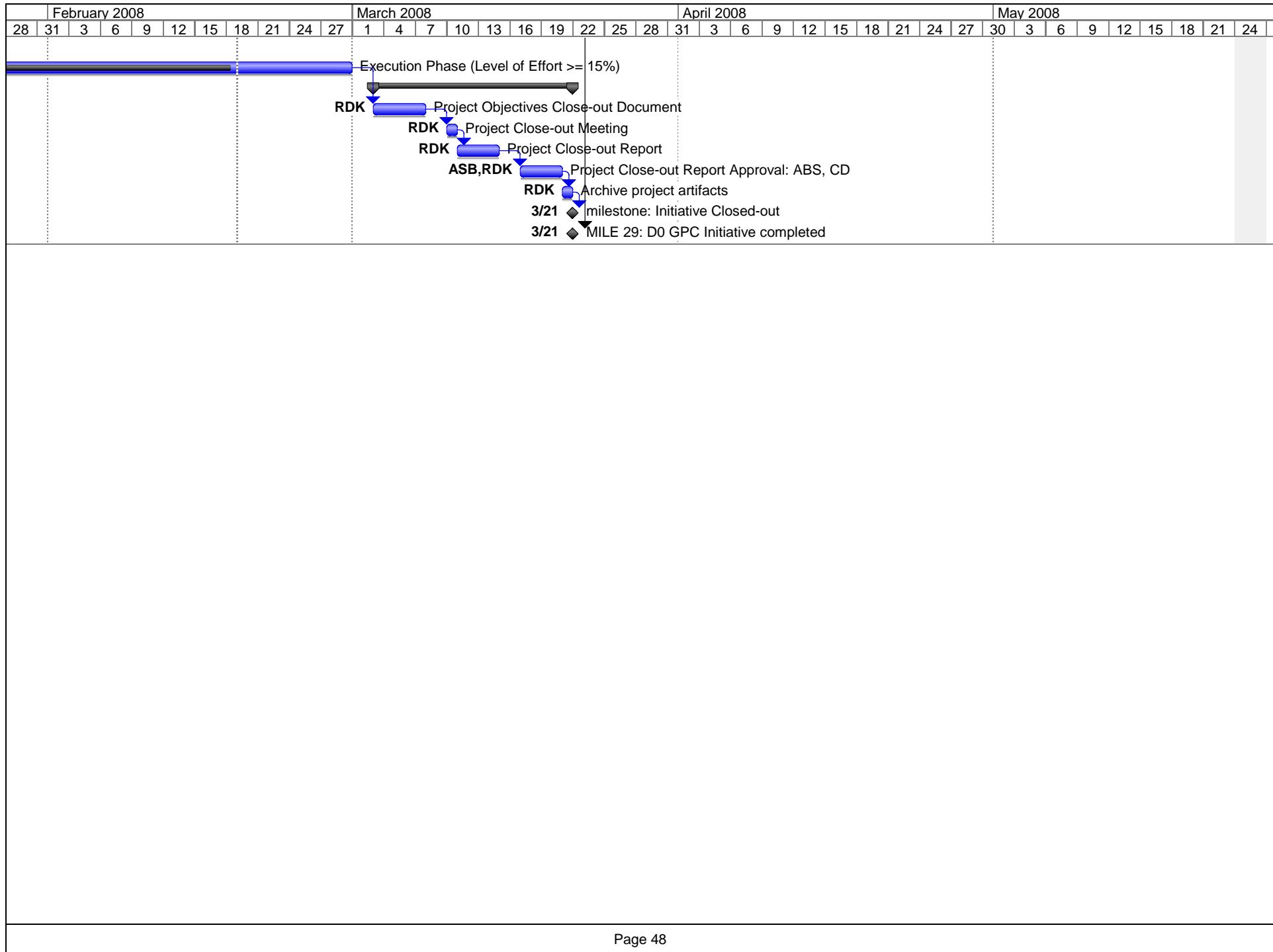












Project: D0 Grid Production Computin  
Date: Tue 2/19/08

Task



Milestone



External Tasks



Split



Summary



External Milestone



Progress



Project Summary



Deadline

